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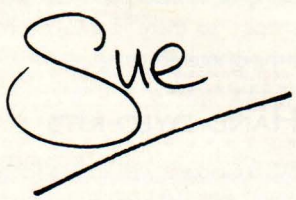
Contents

From the Editor

"Here we are again with Christmas just around the corner and to get you in the mood, the Modern Knitting team have come up with some great knitting ideas. Angie continues the festive theme in Swatch Spot with Holly leaves and berries and just a few sprigs of Mistletoe. If you don't manage a kiss under the Mistletoe, charm your nearest and dearest with a jolly Xmas sweater – there's one for him (would fit 'her' too!) and one for the younger members of the family. These exclusive 'Reindeer' designs are published courtesy of Susan Guagliumi, Education Director for 'Studio by White' in the U.S.A. This special link provides the perfect opportunity for us to share machine knitting ideas from overseas. We have four super designs in our Christmas collection from 'Studio'. As well as the two Reindeer sweaters, which will inspire you to create your own festive knitwear, we have Susan's special evening outfit, a stylish suit with gold and pearl trims, or snuggle up on Christmas Eve in her beautiful mohair check sweater! If you want to add a special 'Finishing Touch' to a simple ribbed cuff or welt, you'll find Angela Gordon's ideas provide extra party glitter to the plainest of edgings, whilst the sparkle of snow and ice has inspired Jane to produce some clever 'Crystal' patterns! Kamalini offers more advice for Silver Reed owners and continues her lace series – this time she explains fashion lace in detail. With so much to try out, you'll never be organised – but have fun anyway!
A Merry Christmas from us all . . ."



Sue Watson

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Knitline

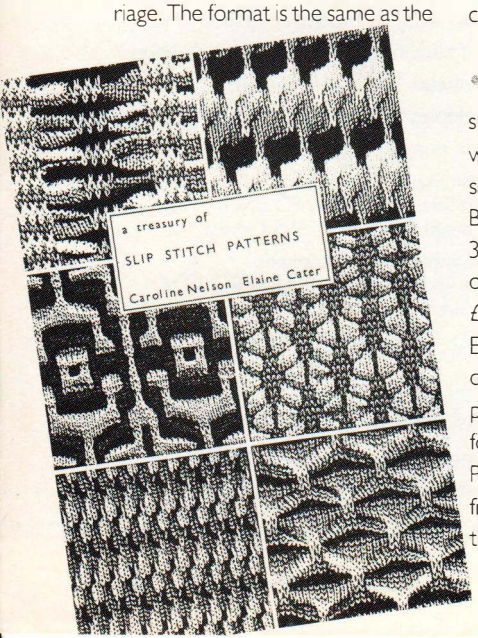
We bring you all the latest news on products, services and events from around the country.

Slip and garter stitch

Knitwear designers Caroline Nelson and Elaine Cater have combined their machine knitting expertise to produce two new stitch pattern booklets for the Japanese machines.

'A Treasury of Slip Stitch Patterns' contains designs which are suitable for all standard gauge punchcard and electronic machines. A range of thirty different fabrics can be worked from the eight basic designs by introducing different numbers of colours and altering the number of rows worked between the colour changes. A chart is provided for each design and black and white illustrations of the fabric variations are displayed with the colour sequence required. Actual colourways are not suggested but a sample of each variation is illustrated on the back and front cover to show the pattern effects. This booklet is a source for experimentation and should encourage knitters to enjoy the fun and creativity of using the slip setting.

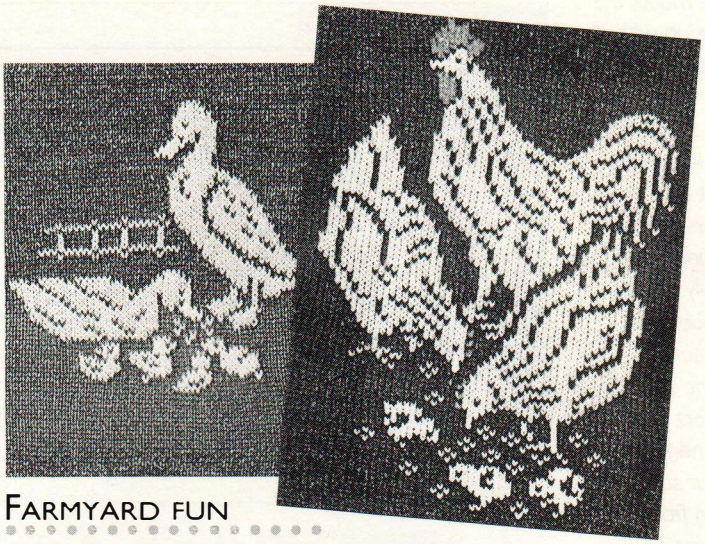
'A Treasury of Garter Stitch Patterns' contains twenty four designs for the Brother garter carriage. The format is the same as the slip stitch booklet – spiral bound with colour illustrations of the samples on the outer covers.



Both booklets cost £4.95 each plus 30 pence p&p. PPD owners can obtain accompanying discs at £3.50 each plus 30 pence p&p.

Elaine and Caroline have also produced a collection of individual pattern leaflets in a variety of styles for men, women and children. Prices for these patterns range from £2.50 to £3.50. For a copy of the stitch pattern booklets or an illustrated price list of the pattern leaflets please write to:

Elaine Cater
29 St Leonards Road
London SW14 7LY



Farmyard fun

Jo Newton, who designed the delightful 'Farmyard Collection' for *Modern Machine Knitting* in the recent past, has now published this popular selection of punchcard and electronic motifs in two booklets — '**Jo's Farmyard**'. Each booklet contains six of Jo's designs. In Volume 1 you'll find Shire Horses, Cockerel, Hens & Chicks, Pheasants, Kittens, Labrador Retriever and Calves, with Border Collie, Pigs in Clover, Mare & Foal, Ewe & Lambs, Rabbits, Ducks & Ducklings in Volume 2.

Each of the larger motif designs fit within 60 stitch mylar sheet width for electronic knitting and can also be used for intarsia. 24 stitch complementary punchcard versions of the animals are included and Jo adds suggestions for different ways of using the designs.

If you missed the original series, you'll be delighted to have the second chance to obtain this collection. Each Volume costs £2.95 plus 25p p&p, or both are available for £5.95 to include p&p. Jo has other booklets available with animal designs including 'Jo's Pets' and 'Jo's Companions' as well as two sets of 'Sports' designs. For further information or to obtain your copies of 'Jo's Farmyard', please write to:

Jo Newton
Barrowby Old Hall
Grantham
Lincs NG32 1BX

Knitting school

Machine Knitters in the Blackpool area will no doubt be regular customers of Roy and Sylvia Goodwin at their **Machine Knitting Centre**, 27 Beechwood Drive, Thornton, Nr Blackpool FY5 5EJ.

The Centre also has its own **School of Machine Knitting** from where regular classes are held to cater for all levels of knitting experience. The sessions are two hours in length with knitting machines and refreshments provided – all in a friendly atmosphere. Tuition fees cost around £27 for a ten week term and the classes are timetabled on a variety of days throughout the week to accommodate Beginners, Improvers, Intermediates and ribber owners. Private tuition is also on offer and can be arranged by appointment. The new term commences on 11 January so pop along to find out more about enrolment.

Alternatively, you can ring Sylvia on 0253 853481.

If you've not visited the Machine Knitting Centre before, Sylvia and Roy will be pleased to welcome you. The shop stocks a wide selection of machines and accessories and offers a large variety of coned yarns and knitting patterns. On the social side, Sylvia often organises fashion shows and other fund raising events for good causes as well as a variety of one-day workshops which cover different aspects of the machine knitting craft. Recently, Ann Brown of Poshfrocks went along to run one of these workshops – so there is always something of interest going on!

Hand-dyed kits

Sylvia Clarke is well known for her wide variety of pattern designs for machine knitting and she is a familiar face at all the knitting shows and exhibitions. Sylvia also designs knitwear garments and she has produced some of her latest ideas in kit form. A mutual interest in the use of colour led her husband to experiment with hand-dyed yarns and the successful and unusual

Oriental Poppy – Knit Kit by Sylvia Clarke

results were the perfect ingredient for Sylvia's new designs. The photograph shows Sylvia's Oriental Poppy jacket from one of her latest kits where she has used the random dyed 100% pure wool Shetland yarn in Antique Gold for the leaves to contrast with dramatic bands of red Poppy motifs on a black background. The kit for this sideways knitted jacket contains instructions and yarn to fit three generous sizes up to a 44 inch bust and costs £29.95 plus £2.50 p&p. This, together with details of all other kits on offer (send £1, refundable on first order) is available from:

Sylvia Clarke
Old Post Office
Upper Cound, Shrewsbury
Salop SY5 6AX
Tel: 0743 761404

IN-EX BOOK 5

A choice of five different pleated skirt designs and one pair of shadow pleated trousers are included in the latest pattern book from **In-Ex**. The styles are by Beverley Ward and the patterns are for use with the In-Ex shadow pleat steaming kit. The 'Peruvian' skirt (Pattern No 3), knitted in Magicolor and De-Lux 4 ply, is designed to match up with the Peruvian Jacket in Denys Brunton Pattern Book 15. Those who like a shaped yoke can opt for Pattern No 2 which features pleats and a yoke with beads and lace – or Pattern No 5, a smocked yoke style – both in Bramwell yarns. Beverley has used other popular yarns including Bonnie's French Crêpe for a pleated skirt knitted on the ribber. There is also an unusual kick pleated skirt which can be knitted on all makes and models of standard gauge machines using 4 ply acrylic.

'6 Designs by Beverley' costs £5.95 to include p&p from:

In-Ex Ltd, PO Box 1459, Windsor, Berkshire SL4 2TP

ROCHESTER

The Rochester Adult Education Centre at Eastgate offers a choice of courses to suit all levels of machine knitting from beginners to the more experienced. There will also be a twenty one week course on **'Creative Machine Knitting'**, for machine knitters who want to experiment with techniques, patterns, design and colour. This course is also on offer at the **Holmesdale Adult Education Centre** in Snodland – both 'Creative' courses are run by tutor Wendy Damon. Wendy will also be starting a new course on **DesignaKnit**, at the Rochester Centre, for all those who are interested in computer aided knitwear design.

Details of all courses are available by telephoning the following numbers:

Rochester Centre: 0634 405673
Holmesdale Centre: 0634 245855.

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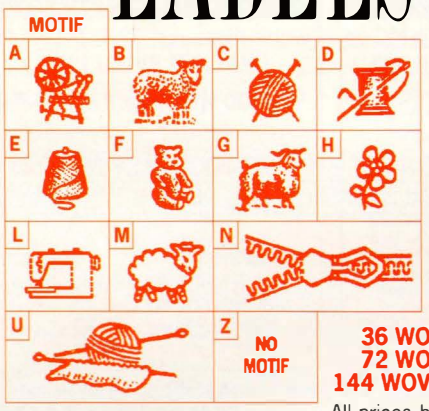

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Striped motif sweater

The sparkle of silver gives a festive feel to any garment and this lightweight evening top shows it off in a clever single motif on a striped background. Party-goers will find this design a real winner.

BACK

Push 160 (170, 180, 190) Ns at centre to WP. Using MT and WY, cast on and K a few rows ending with carriage at left. Set RC at 000. Using MT + 6· and MC, K 1 row. Using MT-2, K 18 rows. Using MT-1, K 20 rows. Using MT + 3, K 1 row. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. Using MT + 2, K 1 row. Set RC at 000. Using MT, cont in stripe patt A. Shape sides by inc 1 st at each end of every 31st (32nd, 36th, 38th) row until there are 170 (180, 190, 200) sts *. K 35 (42, 40, 42) rows. RC shows 190 (202, 220, 232) and work measures 39.5 (41.5, 45, 47.5) cm, 15½ (16¼, 17¾, 18¾) in. Place marker at each end.

Shape Armholes

Dec 1 st (2 sts in) at each end of next and every foll alt row until 134 (138, 142, 146) sts rem. K 93 (87, 87, 81) rows.

Shape Neck

Push 76 (78, 80, 82) Ns at left to HP and cont on rem sts for first side. K 1 row.

Shape Shoulder

Push 4 (6, 8, 10) Ns at right to HP, K 1 row. Push 7 Ns at left to HP, K 1 row. Push 4 Ns at right to HP, K 1 row. Push 7 Ns at left to HP, K 1 row. * Push 4 Ns at right to HP, K 1 row. Push 2 Ns at left to HP, K 1 row. Rep from * 3 times more. Push Ns at right from HP to UWP,

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SIZES

To fit bust 76-82 (87-92, 97-102, 107-112) cm, 30-32 (34-36, 38-40, 42-44) in.
Actual size 99 (104, 110, 116) cm, 39 (41, 43¼, 45¾) in.
Length to back shoulder 64.5 (66.5, 71, 73.5) cm, 25½ (26¼, 28, 29) in.
Sleeve seam 36 (38.5, 40.5, 43) cm, 14¼ (15¼, 16, 17) in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Nina Miklin Roma

Nina Miklin Lamé

Nina Miklin's Roma.
1 (1, 1, 1) × 150 (150, 200, 200) g cone in Black (MC).
1 (1, 1, 1) × 100 (100, 150, 150) g cone in White (A).
This yarn is used double and can be supplied already wound double on one cone, if desired.
Nina Miklin's Lamé 8000.
1 (1, 1, 1) × 50 g cone in Silver (B).

GARMENT WEIGHT

Finished garment in second size weighs 270 g.
The fibre content of Roma is 100% Pure Lambswool; Lamé is 50% Polyester 20% Cupro, 30% Nylon.

TENSION

34 stitches and 52 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 3··).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Fill in pattern card, as shown, before starting to knit.
When shaping in HP, always take yarn round first inside N in HP to prevent a hole forming.
Use two strands of MC or A together throughout.
Always twist yarns together when changing colours in intarsia to prevent a hole forming.

Stripe Pattern A

K 12 rows MC, 10 rows A and 2 rows B.

Stripe Pattern B

K 6 rows MC, 4 rows A and 2 rows B.

Electronic Machines

Pattern width indicator 60. Place needle 1 cam between Ns 60 and 61 at left of centre 0. Place left point cam between Ns 60 and 61 at left and right point cam at centre 0. Press button 1 (right light on) and button 2 (left light on 580 and SK 840 machines, right light on other models).

Machines with Intarsia Facility

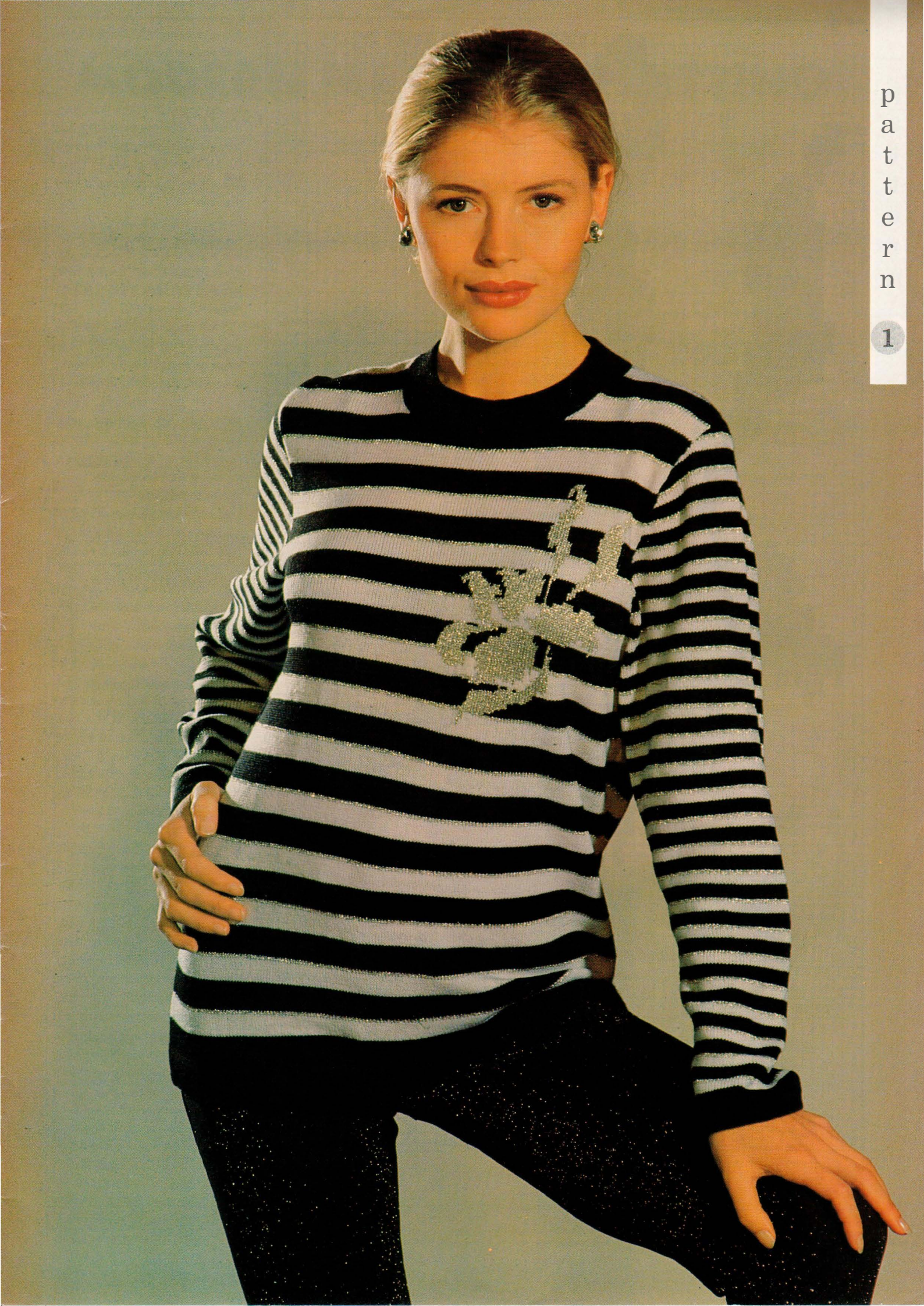
Work from chart and adjust instructions as appropriate.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Nina A. Miklin, 104 Biddulph Mansion, Elgin Avenue, Maida Vale, London W9 1HU.

pattern 1

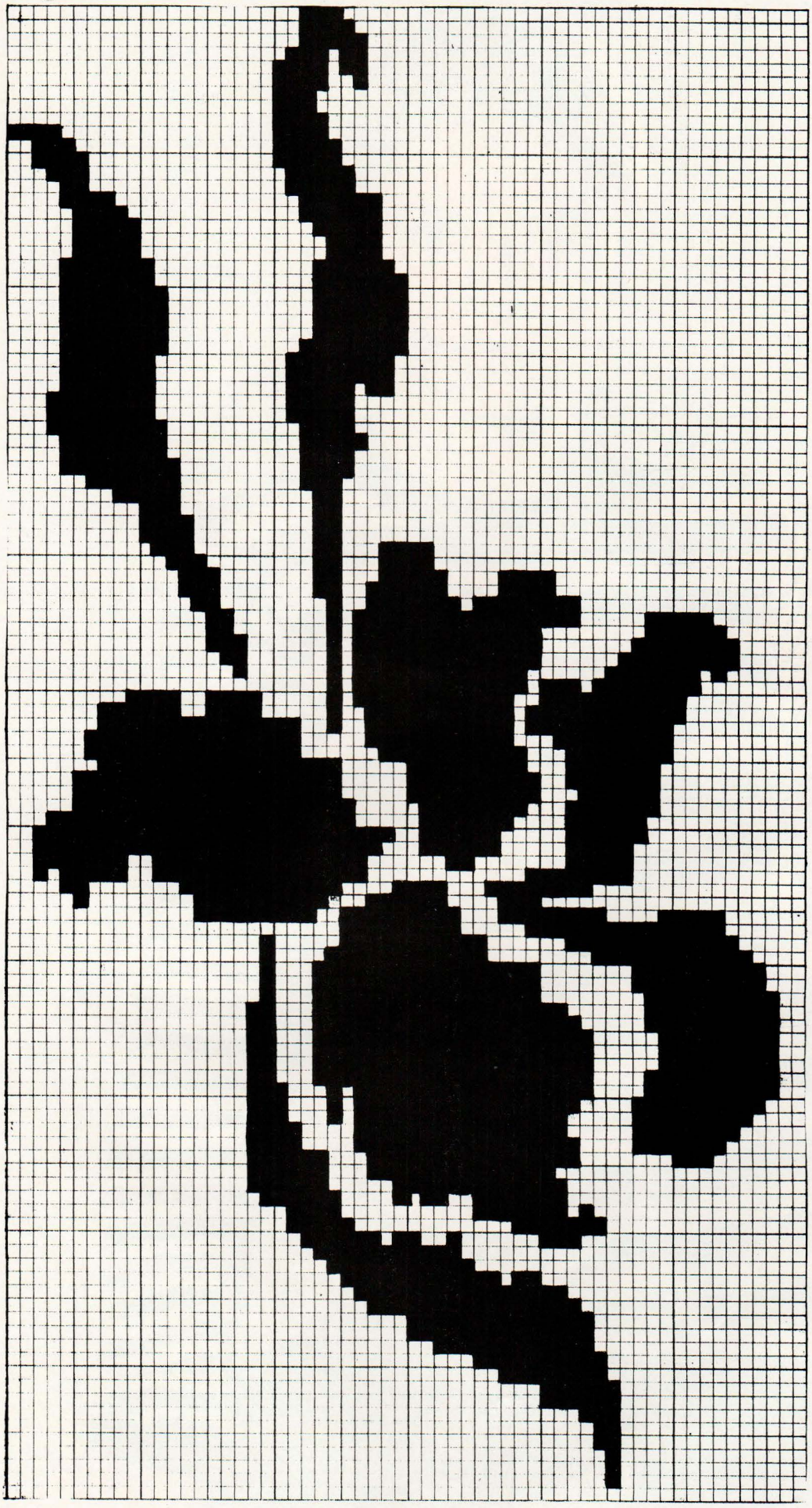
Leggings, *Top Shop*; Earrings, *Salisburys*

8 ▶



pattern 1

pattern 1



Key
■ = B
□ = Stripe patt

Intarsia Chart

K 1 row. Using WY, K a few rows and release from machine. With carriage at left, push 58 (60, 62, 64) Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings by reading left for right and right for left. Push rem 62 Ns from HP to UWP. Using WY, K a few rows and release from machine.

FRONT

Insert card and lock on first row. Work as for back to *. K 5 (8, 7, 5) rows. RC shows 160 (168, 187, 195). Release card and cont in single motif Fair Isle over 60 Ns at left of centre 0. With B in feeder 1, cont in stripe sequence in feeder 2. K 30 (34, 33, 37) rows. RC shows 190 (202, 220, 232) and work measures 39.5 (41.5, 45, 47.5) cm, 15½ (16¼, 17¾, 18¾) in. Place marker at each end.

Shape Armholes

Dec 1 st (2 sts in) at each end of next and every foll alt row until 134 (138, 142, 146) sts rem. K 46 (36, 31, 21) rows. RC shows 271 (279, 298, 306). Remove card. Cont in st st and stripe sequence. K 23 (27, 32, 36) rows.

Shape Neck

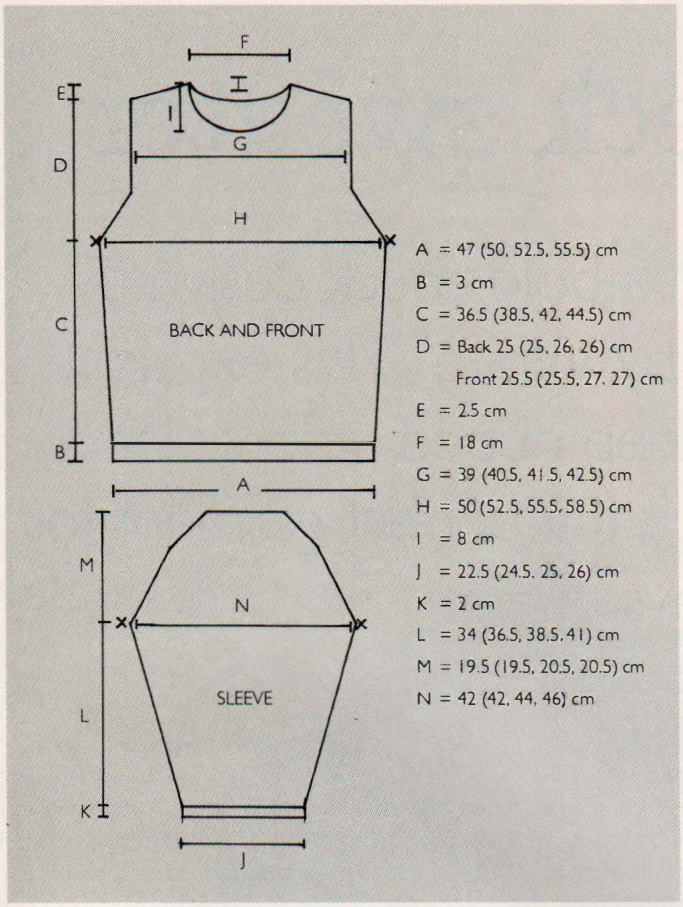
Push 78 (80, 82, 84) Ns at left to HP and cont on rem sts for first side. K 2 rows. Push 5 Ns at left to HP on next and foll alt row, K 1 row. Push 2 Ns at left to HP on next and foll 2 alt rows, K 1 row. Dec 1 st at neck edge of next and every foll 4th row until 36 (38, 40, 42) sts rem. K 4 rows.

Shape Shoulder

Push 4 (6, 8, 10) Ns at right to HP, K 2 rows. Push 4 Ns at right to HP on next and foll 4 alt rows, K 1 row. Push Ns at right from HP to UWP. K 1 row. Using WY, K a few rows and release from machine. With carriage at left, push 56 (58, 60, 62) Ns at left from HP to UWP. Finish to correspond with first side, reversing shapings by reading left for right and right for left. Push rem 54 Ns from HP to UWP. Using WY, K a few rows and release from machine.

SLEEVES

Push 78 (84, 86, 90) Ns at centre to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT + 6· and MC, K 1 row. Using



A = 47 (50, 52.5, 55.5) cm
B = 3 cm
C = 36.5 (38.5, 42, 44.5) cm
D = Back 25 (25, 26, 26) cm
Front 25.5 (25.5, 27, 27) cm
E = 2.5 cm
F = 18 cm
G = 39 (40.5, 41.5, 42.5) cm
H = 50 (52.5, 55.5, 58.5) cm
I = 8 cm
J = 22.5 (24.5, 25, 26) cm
K = 2 cm
L = 34 (36.5, 38.5, 41) cm
M = 19.5 (19.5, 20.5, 20.5) cm
N = 42 (42, 44, 46) cm

MT-2, K 10 rows. Using MT-1, K 11 rows. Using MT + 3, K 1 row. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. Using MT + 2, K 1 row. Set RC at 000. Using MT, cont in stripe patt B. Shape sides by inc 1 st at each end of every 5th (6th, 6th, 6th) row until there are 144 (144, 150, 158) sts. K 13 (10, 10, 10) rows. RC shows 178 (190, 202, 214) and work measures 36 (38.5, 40.5, 43) cm, 14¼ (15¼, 16, 17) in. Place marker at each end.

Shape Top

Dec 1 st at each end of next and every foll alt row until 54 (54, 54, 66) sts rem. K 1 row. Push 2 (2, 3, 3) Ns at opposite end to carriage to HP on next 2 rows, 3 Ns on next 2 (2, 4, 8) rows and 5 Ns on next 6 (6, 4, 4) rows. Break yarn. Push all Ns to UWP. Using MT + 6· and MC, K 1 row. Cast off with a latch tool.

TO JOIN RIGHT SHOULDER

Push 36 (38, 40, 42) Ns to WP. With K side of right back shoulder facing, replace sts on to Ns. With P side of right front shoulder facing, replace sts on to same Ns. Using MT and appropriate colour, K 1 row. Using MT + 6· K 1 row. Cast off with a latch tool.

NECKBAND

Push 150 Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Set RC at 000. Using MT + 3 and MC, K 1 row. Using MT, K 2 rows. Using MT-1, K 8 rows. Using MT–2, K 18 rows. Using MT–1, K 8 rows. Using MT, K 2 rows. Using MT + 3, K 1 row. Make a hem by placing loops of first row worked in MC on to corresponding Ns. Unravel WY when work is completed. Using MT + 2, K 1 row. With P side facing, pick up sts around neck edge and place on to Ns. K 1 row. Using MT + 6·, K 1 row. Cast off with a latch tool.

TO JOIN LEFT SHOULDER

Work as for right shoulder but read left for right.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam carefully following instructions on cone band.

MAKING UP

Set in sleeves. Join side, sleeve and neckband seam.

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Mohair check sweater

Black contrasts with white in a bold check design by Susan Guagliumi for 'Studio by White'. This exclusive mohair sweater features a deep ribbed polo collar to keep out the cold – making it the perfect garment for outer wear on crisp clear days.

Studio by WHITE

This exclusive design is featured in Modern Machine Knitting courtesy of Susan Guagliumi for 'Studio by White'. We are extremely grateful to be able to share this valuable link with American designers and machine knitters and thank Susan for her co-operation and assistance in providing our special collection of garment designs from the U.S.A.

BACK

Using 5½ mm needles and MC, cast on 68 (78, 90, 100) sts and work 6 cm, 2¼ in in K 1, P 1 rib. Push 68 (78, 90, 100) Ns to WP. With carriage at right, transfer sts to machine Ns. Set RC at 000. Using MT, cont in intarsia patt from chart *. K 122 (122, 136, 136) rows. Work measures 67 (67, 74, 74) cm, 26½ (26½, 29¼, 29¼) in.

Shape Shoulders

Cast off 11 (13, 15, 18) sts at beg of next 2 rows and 10 (13, 16, 18) sts at beg of foll 2 rows. Using WY, K a few rows in st st over rem 26 (26, 28, 28) sts and release from machine.

FRONT

Work as for back to *. K 112 (112, 122, 122) rows. 10 (10, 14, 14) rows less have been worked to shoulder than on back.

Shape Neck

Push 38 (43, 49, 54) Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge of every row until 21 (26, 31, 36) sts rem. K 1 (1, 4, 4) rows.

Shape Shoulder

Cast off 11 (13, 15, 18) sts at beg of next row, K 1 row. Cast off rem 10 (13, 16, 18) sts. With carriage at right, push 8 Ns at right from HP to UWP. Using WY, K a few rows in st st and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

SLEEVES

Using 5½ mm needles and MC, cast on 38 sts and work 6 cm, 2¼ in in K 1, P 1 rib. Push 38 Ns to WP. With carriage at right, transfer sts to machine Ns. Set RC at 000. Using MT, cont in intarsia patt from chart. Shape sides by inc 1 st at each end of every 4th row until there are 78 sts. K 4 rows. RC shows 84 and work measures 48

pattern 2

FOR 9 mm CHUNKY MACHINES WITH INTARSIA FACILITY

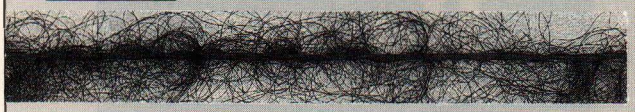
If you don't have a ribber work in mock rib as page 63.

SIZES

To fit bust or chest 82-87 (92-97, 102-112, 117-127) cm, 32-34 (36-38, 40-44, 46-50) in.
Actual size 94 (108, 125, 140) cm, 37 (42½, 49¼, 55) in.
Length to shoulder 67 (67, 74, 74) cm, 26½ (26½, 29¼, 29¼) in.
Sleeve seam 48 cm, 19 in (adjustable).

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS



Bramwell Chunky Mohair.
1 (1, 1, 1) × 450 g cone in Black (MC).
1 (1, 1, 1) × 450 g cone in White (C).
Pair 5½ mm knitting needles.

GARMENT WEIGHT

Finished garment in second size weighs 475 g.
The fibre content of this yarn is 78% Mohair, 13% Wool, 9% Nylon.

TENSION

14 stitches and 20 rows to 10 cm, 4 in measured over intarsia pattern (tension dial approximately 9 (MT)).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Always twist yarns together when changing colours in intarsia to prevent a hole forming.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
F. W. Bramwell & Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington, Lancashire BB5 5TU.

Leggings, *French Connection*; Earrings and ring, *Top Shop*; Bracelet, *Fenwick*

12 ▶

pattern 2

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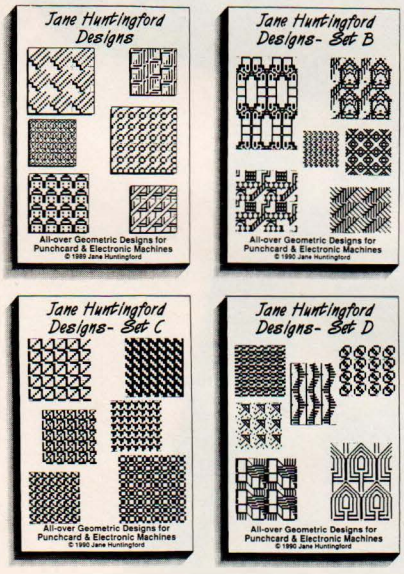
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pattern 2

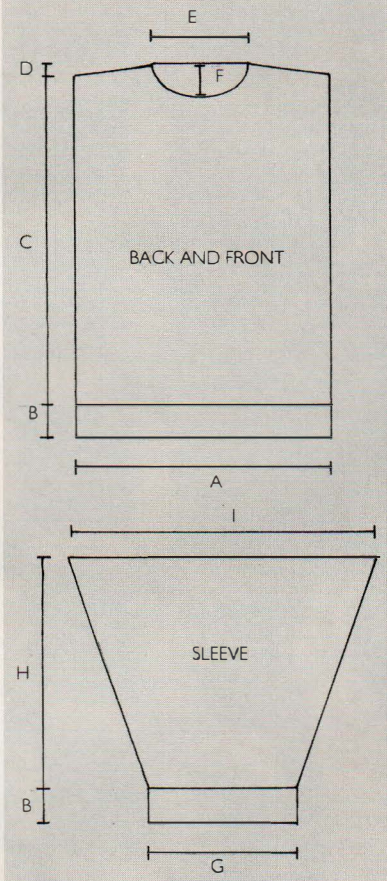
cm, 19 in. Adjust length at this stage, if desired. Cast off.

COLLAR

Join right shoulder seam. With K side facing and using 5½ mm needles, join in MC and pick up and K 62 (62, 72, 72) sts around neck edge. Work 24 cm, 9½ in in K 1, P 1 rib. Cast off in rib.

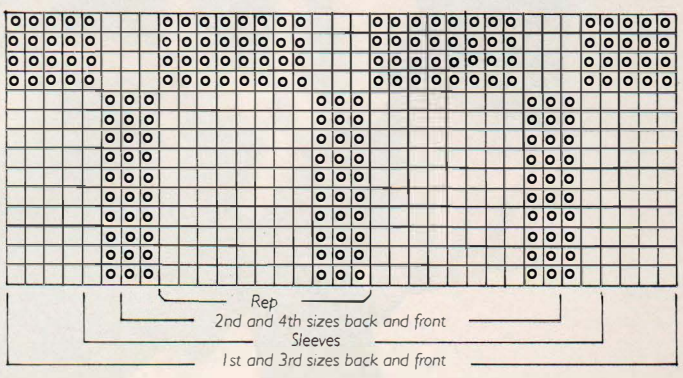
MAKING UP

Join left shoulder and collar seam. set in sleeves matching centre to shoulder seam. Join side and sleeve seams.



A = 48.5 (55.5, 64, 71) cm
B = 6 cm
C = 61 (61, 68 ,68) cm
D = 2 cm
E = 18.5 (18.5, 20, 20) cm
F = 6 (6, 8, 8) cm
G = 27 cm
H = 42 cm
I = 55.5 cm

INTARSIA CHART



□ = MC ⊡ = C

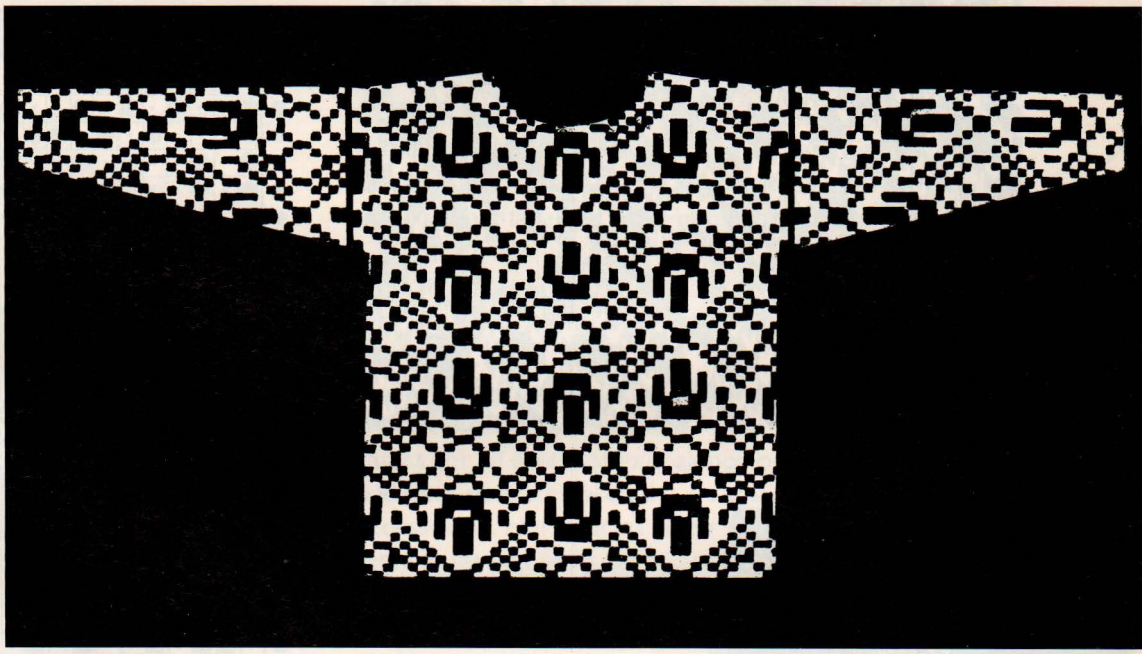
Geometric gallery

by Jane Huntingford

Build up this exclusive and versatile collection of short float Fair Isle designs every month for use on your favourite knitwear patterns. Jane's creative ideas are all based on geometric inspiration and can be used in a variety of ways to produce a really individual look.

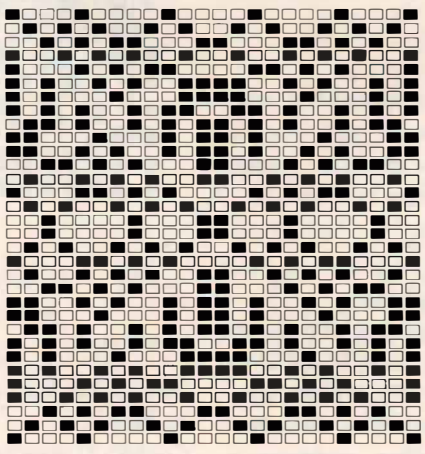
'CRYSTALS'

The onset of Winter transferred my thoughts to the cold, chilly, frosty and possibly snowy days which lay ahead. Snow, in particular, reminded me of a superb book I have which illustrates in magnification, the delicate and fragile construction of snow crystals. This fascinating source of inspiration helped me to create this month's 'Crystal' design.

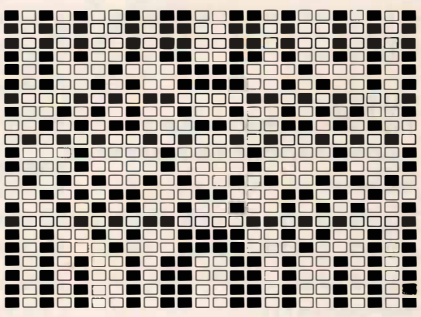


DESIGN IDEAS

'Crystals' is an all-over geometric pattern which is suitable for 24 stitch punchcard and electronic machines. The first 32 rows of the design can also be used for an attractive border pattern. I have designed a second border with a repeat of 22 rows – this also makes an excellent all-over pattern and both designs are suitable for menswear as well as for women. The overall effect you wish to achieve with this design is determined by the use of different yarns and colour combinations. In order to achieve a realistic effect of delicate snow crystals against the backdrop of pine trees, I have used dark green as the background colour to represent trees and, for the contrast, used white to give the impression of the snow crystals. To add the sparkle of ice, replace the white contrast with a silver Lurex. The illustrated samples are knitted



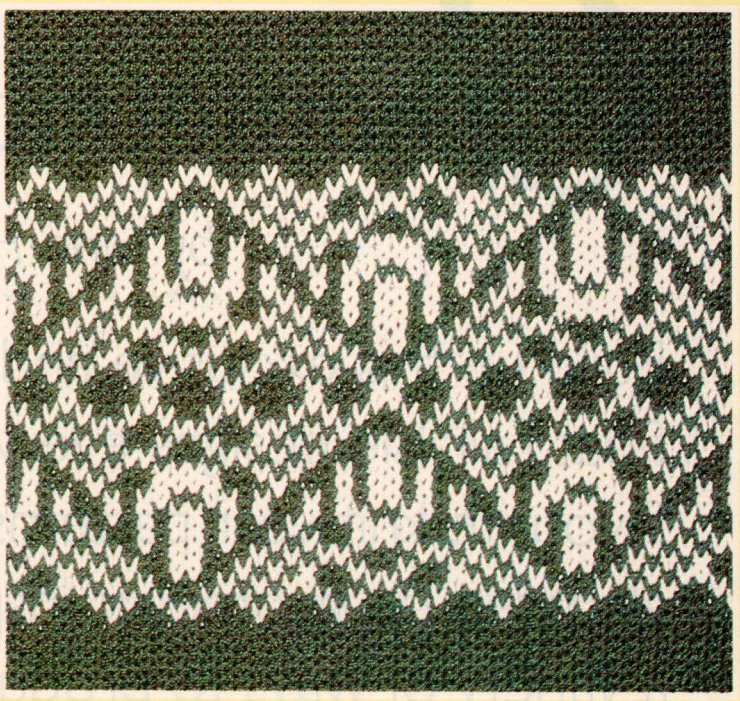
Electronic All-over pattern



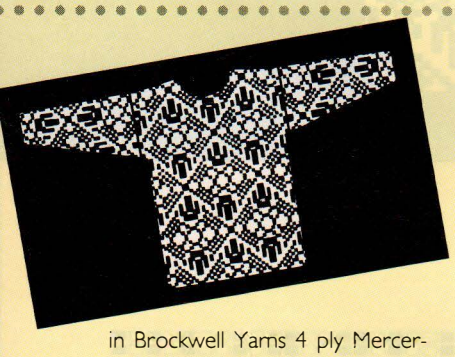
Electronic Border pattern (22 rows)

14 ▶

Sample 1



Sample 2



in Brockwell Yarns 4 ply Mercerised Cotton.

SAMPLE 1

(24 stitch Punchcard and Electronic Machines)

'Crystals' design used as an all-over pattern (Tartan Green background: shade 624/White contrast: shade 613).

SAMPLE 2

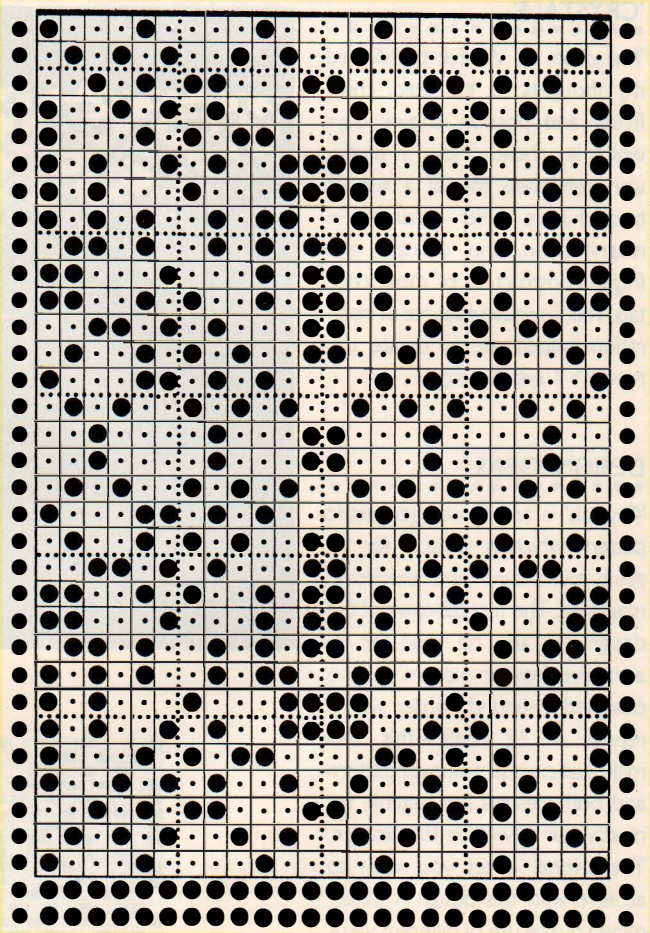
(24 stitch Punchcard and Electronic Machines)

'Crystals' design used as a border pattern by knitting the first 32 rows of the punchcard pattern or one repeat of the electronic all-over pattern. (Colours as Sample 1).

SAMPLE 3

(Electronic Machines)

'Crystals' design used as an all-over pattern using the FIRST 6 ROWS ONLY plus the REFLECTION pattern variation facility – the point of contact between patterning is overlapped for one row. (White background: shade 613/Tartan Green contrast: shade 624).



Punchcard All-over pattern

SAMPLE 4

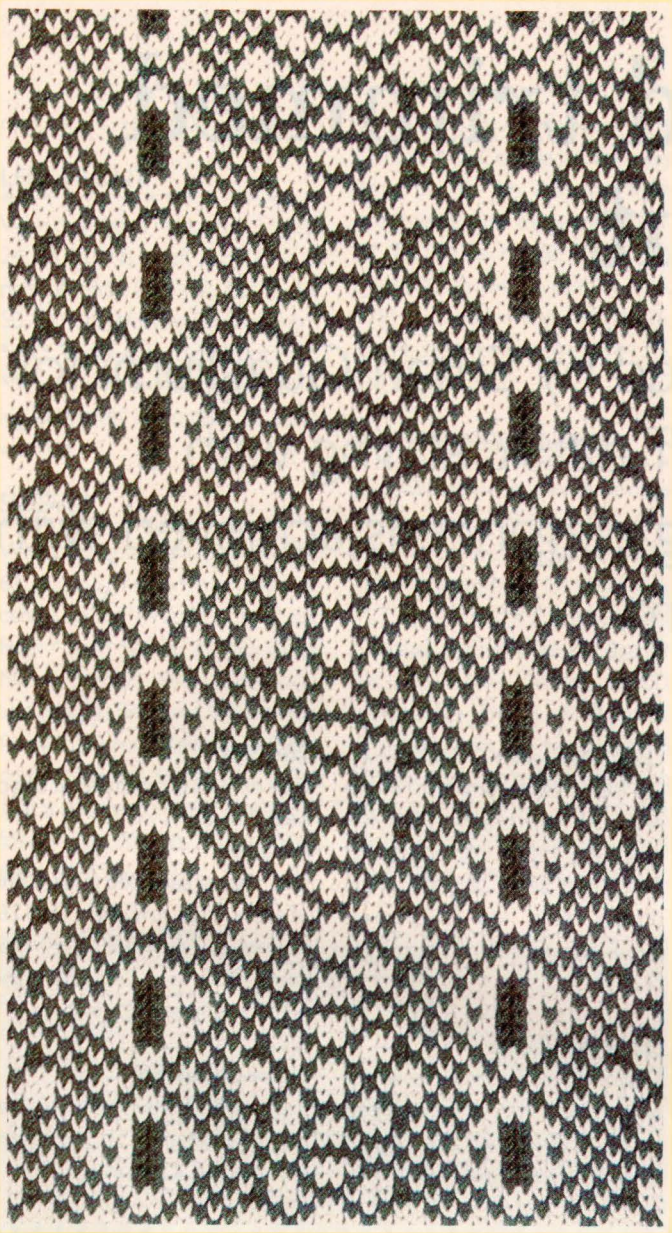
(24 stitch Punchcard and Electronic Machines)

'Crystals' 22 row border design. (Silver with Silver Lurex mix background: shade 11/Red contrast: shade 636).

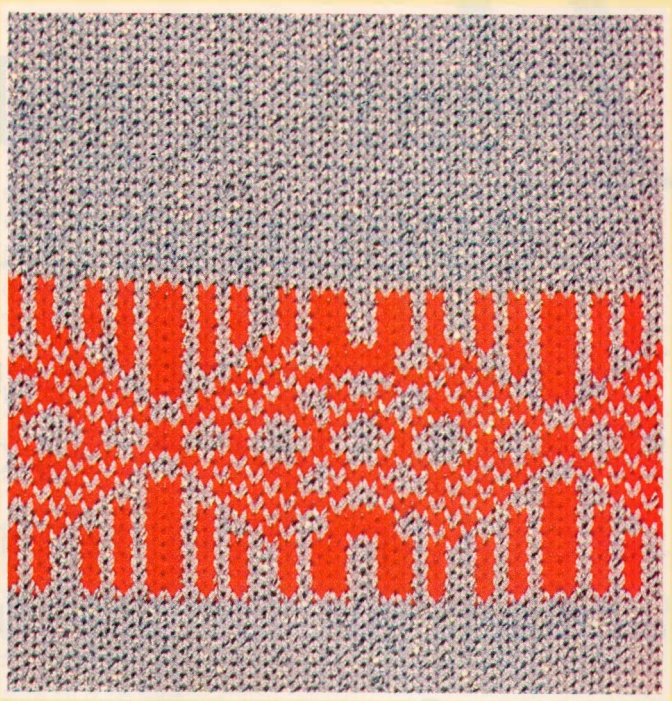
SAMPLE 5

(24 stitch Punchcard and Electronic Machines)

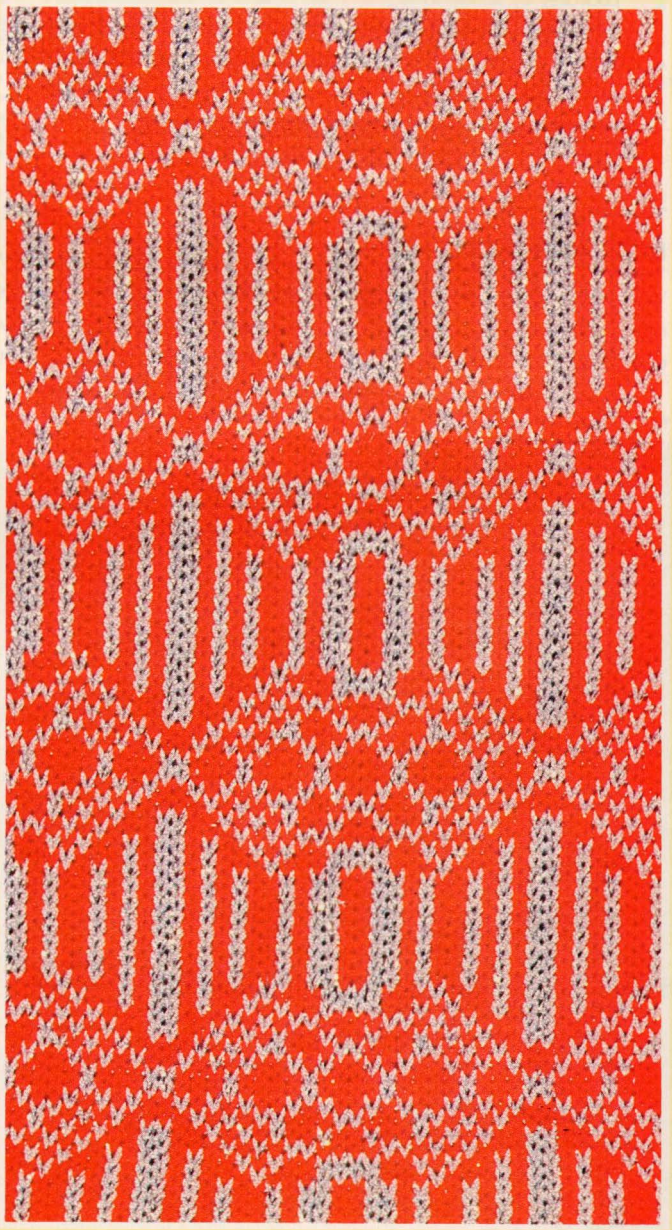
'Crystals' 22 row border design used as an all-over pattern. (Red background: shade 636 with Silver/Silver Lurex mix contrast: shade 11).



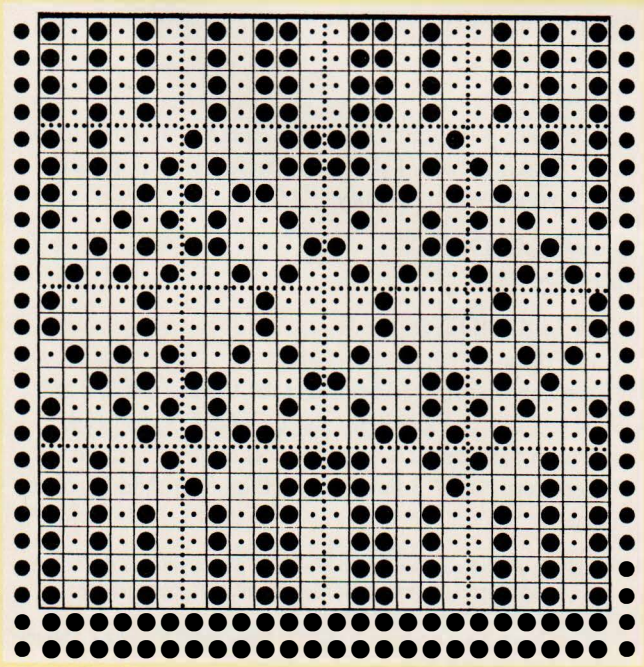
Sample 3



Sample 4



Sample 5



Punchcard Border pattern (22 rows)

Pearl & gold trimmed evening suit

This exclusive outfit, designed by Susan Guagliumi for 'Studio By White', shows off classic styling with a special Tulip edging. Evening elegance is achieved with a delicate gold and pearl trim.

Studio by WHITE

This exclusive design is featured in Modern Machine Knitting courtesy of Susan Guagliumi for 'Studio by White'. We are extremely grateful to be able to share this valuable link with American designers and machine knitters and thank Susan for her co-operation and assistance in providing our special collection of garment designs from the U.S.A.

TOP

BACK AND FRONT ALIKE

With ribber in position and carriage at right, set machine for double rib. Push 149 (170) Ns on each bed to WP for double rib. * Using MT/MT and WY, cast on. Insert comb and weights. K a few rows ending with carriage at right. Using nylon cord, K 2 tubular rows. Set RC at 000. Using MT-1/MT-1 and C, K 1 row. Using MT/MT, K 1 row. Using MC, K tulip edging. RC shows 10 *. Set RC at 000. Cont in double rib. K 140 (152) rows. Work measures 29 (31) cm, 11½ (12¼) in.

Shape Armholes

Cast off 8 sts on each bed at beg of next 2 rows, 4 (5) sts on each bed at beg of next 2 rows and 3 (4) sts on each bed at beg of next 2 rows.

2nd Size

Cast off 2 sts on each bed at beg of next 2 rows.

All Sizes

Dec 1 st on each bed at each end of every foll alt row until 115 (126) sts rem on each bed. K 90 (96) rows. RC shows 240 (262) and work measures 48 (52) cm, 19 (20½) in.

Shape Shoulders

Cast off 8 (9) sts on each bed at beg of next 8 rows. 51 (54) sts rem on each bed. Cast off.

FOR STANDARD GAUGE MACHINES WITH A RIBBER

If you don't have a ribber, work in mock rib as page 63.

SIZES

To fit bust 87-92 (97-102) cm, 34-36 (38-40) in.
Actual size 93 (106) cm, 36½ (41¾) in.
Length to back shoulder 48 (40.5) cm, 18¾ (20½) in.
Sleeve seam 38.5 (40.5) cm, 15 (16) in.

Instructions are written for the first size, larger size follows in brackets. If only one figure is given, it applies to both sizes.

MATERIALS

Brockwell Mercerised Cotton

Brockwell Lurex Chainette

Brockwell Yarns mercerised cotton.
MC (Black) – 900 (1120) grms.
Lurex Chainette
C (Gold) – 80 grms.
Elastic to fit waist, plus 5 cm.
2 metres pearl or beaded trim.
Shoulder pads.

GARMENT WEIGHT

Finished garment in first size weighs 975 g.
The fibre content of mercerised cotton is 100% pure cotton, Lurex Chainette is polyester metallised-polyester supported.

TENSION

Double Rib – 32 stitches on each bed and 52 rows to 10 cm. TD at approx 4/4 (MT). For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

Tulip Edging

* Use a three pronged transfer tool, transfer sts 1, 2 and 3 on to Ns 2, 3 and 4, then sts 5, 6 and 7 on to Ns 4, 5 and 6 on back bed. Leave empty Ns in WP **. K 2 rows *. Rep from * to * 3 times more, then from * to ** once more.

If you have any difficulty locating these yarns, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Brockwell Yarns. S. & J. Andrews (W.Y.) Ltd., Stansfield Mill, Triangle, Sowerby Bridge. West Yorkshire HX6 3LZ.

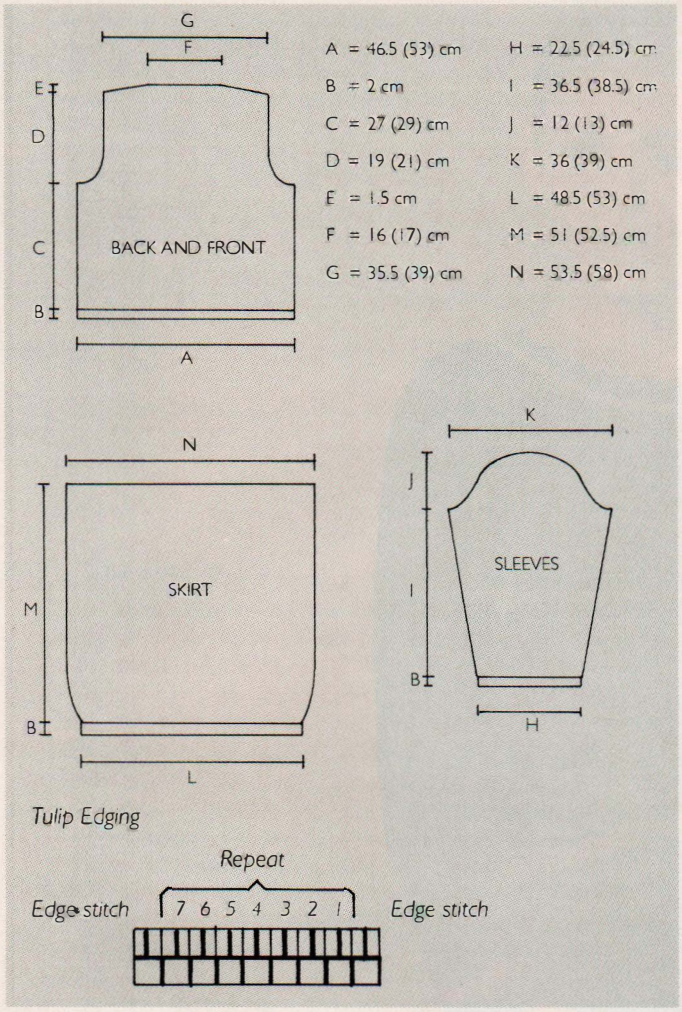
pattern 3

Earrings, *Salisburys*; Bracelet, *Top Shop*

18 ▶

pattern 3

pattern 3



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SLEEVES

With ribber in position and carriage at right, set machine for double rib. Push 72 (79) Ns on each bed to WP for double rib. Work as for back and front from * to *. Set RC at 000. Cont in double rib. Shape sides by inc 1 st on each bed at each end of every 8th row until there are 116 (125) sts on each bed. K 14 (16) rows. RC shows 190 (200) and work measures 38.5 (40.5) cm, 15¼ (16) in. Adjust length at this stage, if desired.

Shape Top

Cast off 8 sts on each bed at beg of next 2 rows. Dec 1 st on each bed at each end of every foll alt row until 44 (47) sts rem. Cast off 3 (2) sts on each bed at beg of next 4 rows. 32 (39) sts rem on each bed. Cast off.

NECKBAND

With ribber in position and carriage at right, set machine for double rib. Push 163 Ns on each bed to WP for double rib. Work as for back and front from * to *. Using MT + 1/MT + 1, K 6 tubular rows. Using WY, K 20 tubular rows and release from machine.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam lightly.

MAKING UP

Mark neckline with chalk, using neckband as a guide. Work 2 rows of zig-zag sts with a sewing machine around neckline and cut out. Join right shoulder seam. Pin neckband into position. Unravelling WY as required, backstitch through open loops of last row worked in MC on the outside and catch down loops on inside. Join left shoulder and neckband seam. Join side and sleeve seams. Set in sleeves. Sew in shoulder pads.

RICK RACK TRIM

Push 7 Ns to WP. Using MT and WY, cast on and K a few rows ending with carriage at right. Hang claw weight. Push Ns to HP. Using C, cast on by hand. Push Ns to UWP. * Push 1 N at left to HP on next 6 rows. Push 1 inside N at left from HP to UWP on next 6 rows. K 1 row. Push 1 N at right to HP on next 6 rows. Push 1 inside N at right from HP to UWP on next 6 rows. K 1 row. Rep from * to required length. Cast off. K 1 length to go around lower edge, 1 length to go around each sleeve and 1 length to go around neck.

TO COMPLETE

Baste rick rack to neckline, around lower and lower sleeve edges. Lace the pearl or bead trim, through the rick rack overlapping and securing ends. Using matching thread, sew rick rack to garment.

SKIRT

BACK AND FRONT ALIKE

With ribber in position and carriage at right, set machine for double rib. Push 156 (170) Ns on each bed to WP for double rib. Using MT/MT and WY, cast on. Insert comb and weights. K a few rows ending with carriage at right. Using nylon cord, K 2 tubular rows. Set RC at 000. Using MT-1/MT-1 and MC, K 1 row. Using MT/MT, K 1 row. K tulip edging. RC shows 10. Set RC at 000. Cont in double rib. Shape sides by inc 1 st on each bed at each end of every foll 14th row until there are 172 (186) sts on each bed. K 154 (162) rows. RC shows 266 (274). Transfer sts to back bed. Using MT + 3, K 1 row. Using WY, K a few rows and release from machine.

WAISTBAND (2 PIECES)

Push 120 (130) Ns to WP. With wrong side facing, pick up sts from below WY and place on to Ns gathering evenly. Set RC at 000. Using MT + 1 and MC, K 30 rows. Pick up sts from first row and place on to Ns. Using MT + 6, K 1 row. Cast off loosely.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Steam lightly.

MAKING UP

Join side seams, leaving a small opening in waistband for elastic. Insert elastic and join ends. Close opening.

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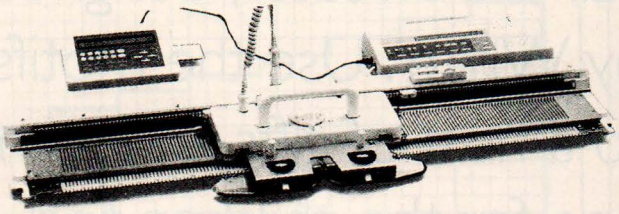

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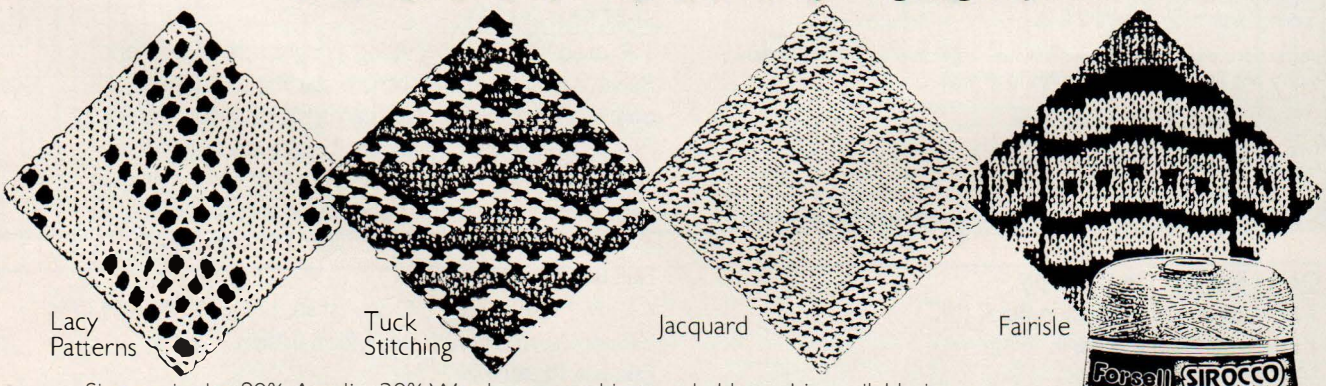

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Sirocco. The versatile and economical addition to the Forsell range of quality yarns. A book of 3-ply patterns for Sirocco is available at Forsell stockists.

Forsell

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Reindeer sweater

For that traditional Christmas feel knit this exclusive Fair Isle sweater, designed by Terri Burns for 'Studio by White'. Use the motifs to add seasonal decoration to a host of gifts and garments. Terri has designed one for the children too – see Pattern 5

Studio by WHITE

This exclusive design is featured in Modern Machine Knitting courtesy of Susan Guagliumi for 'Studio by White'. We are extremely grateful to be able to share this valuable link with American designers and machine knitters and thank Susan for her co-operation and assistance in providing our special collection of garment designs from the U.S.A.

pattern 4

FOR STANDARD GAUGE PUNCHCARD OR ELECTRONIC MACHINES WITH A RIBBER

If you don't have a ribber work in mock rib as page 63.

SIZES

To fit chest 92-97 (102-107, 112-117, 122-127) cm, 36-38 (40-42, 44-46, 48-50) in.
Actual size 111 (120, 128, 137) cm, 43¾ (47¼, 50½, 54) in.
Length to shoulder 72.5 cm, 28½ in.
Sleeve seam 53.5 cm, 21 in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Denys Brunton De-Lux 4-ply.
2 (2, 2, 2) × 400 g cones in Black (MC).
1 (1, 1, 1) × 400 g cone in White (A).
50 g in Green (B).
50 g in Red (C).
50 g in Fawn (D).

GARMENT WEIGHT

Finished garment in second size weighs 570 g.
The fibre content of this yarn is 100% Acrylic.

TENSION

28 stitches and 40 rows to 10 cm, 4 in measured over Fair Isle Pattern 1 (tension dial approximately 7).
28 stitches and 38 rows to 10 cm, 4 in measured over Fair Isle Pattern 2 on MT + 1 (tension dial approximately 8).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Punch cards, as shown, before starting to knit (use a punchcard roll or join two cards together for Pattern 2).
Fill in pattern cards, as shown, before starting to knit.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern 1

K 1 row MC/A, 4 rows MC only (st st), 1 row MC/A and 4 rows MC only (st st). These 10 rows form pattern.

Fair Isle Pattern 2

K 1 row C only (st st), 1 row B/MC, 5 rows C/MC, 1 row B/MC, 1 row C only (st st), 27 rows MC/B, 18 rows MC/A and 25 rows MC/D.

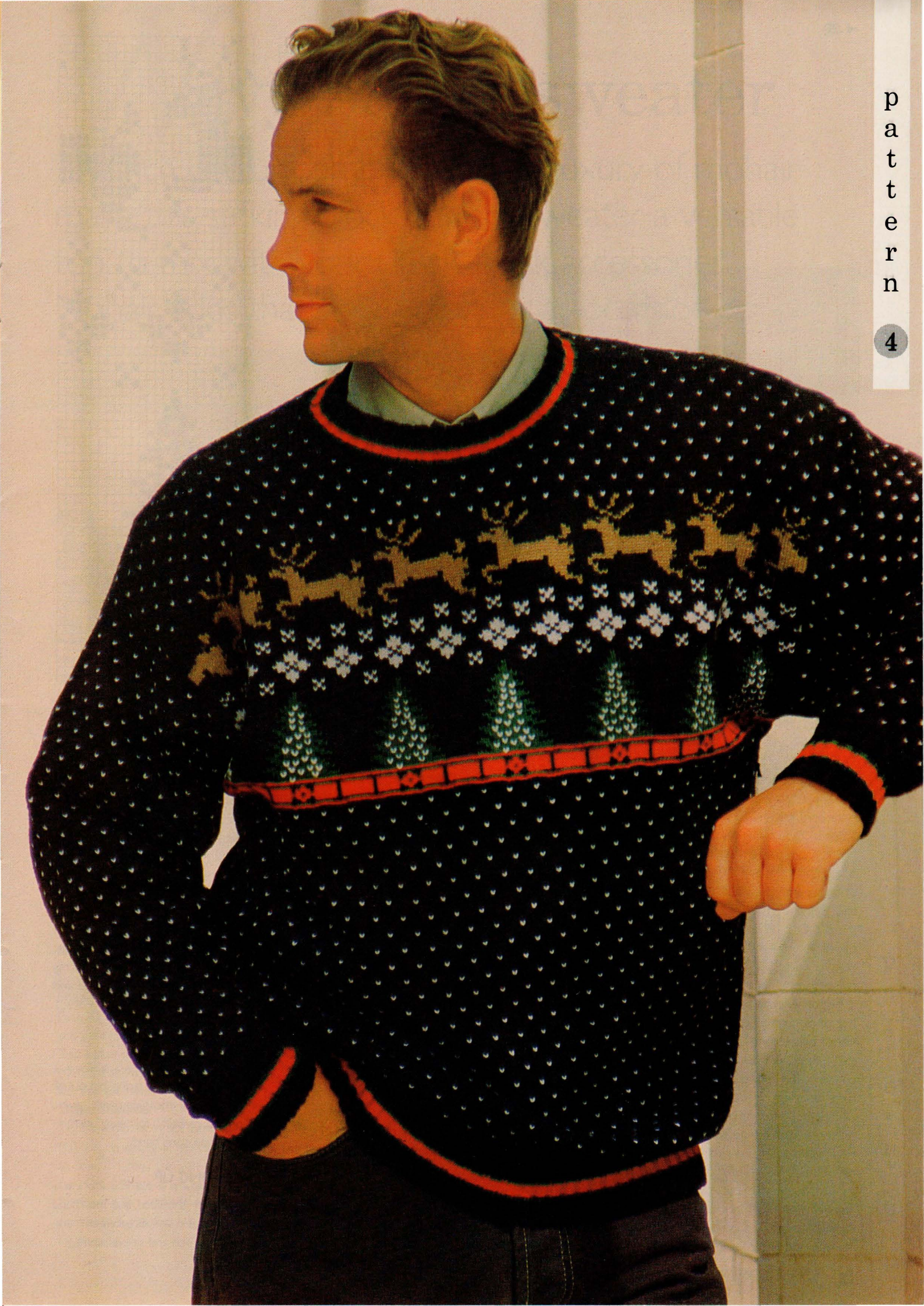
If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Denys Brunton Designers Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QE.

BACK

With carriage at right, push 158 (170, 182, 194) Ns on each bed at centre to WP. * Arrange Ns for 2 × 2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2 × 2 rib knitting. Set RC at 000. Using MT–4/MT–4, K 8 rows. K 2 rows B, 6 rows C, 2 rows B and 12 rows MC. Transfer sts for st st *. Insert card 1 and lock on first row. Set RC at 000. Using MT, K 4 rows. Release card and cont in Fair Isle patt 1. K 136 rows. RC shows 140 and work measures 41.5 cm, 16¼ in. Place marker at

Jeans, *Next*; Shirt, *French Connection*

22 ▶



pattern 4

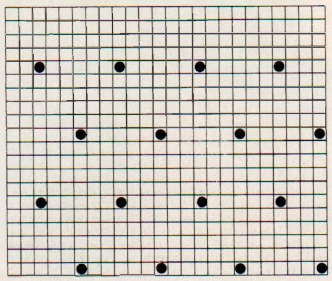


Chart 1

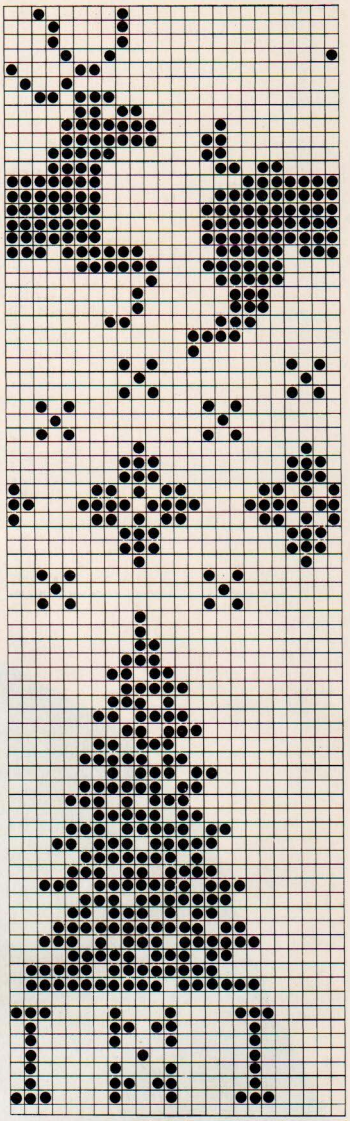
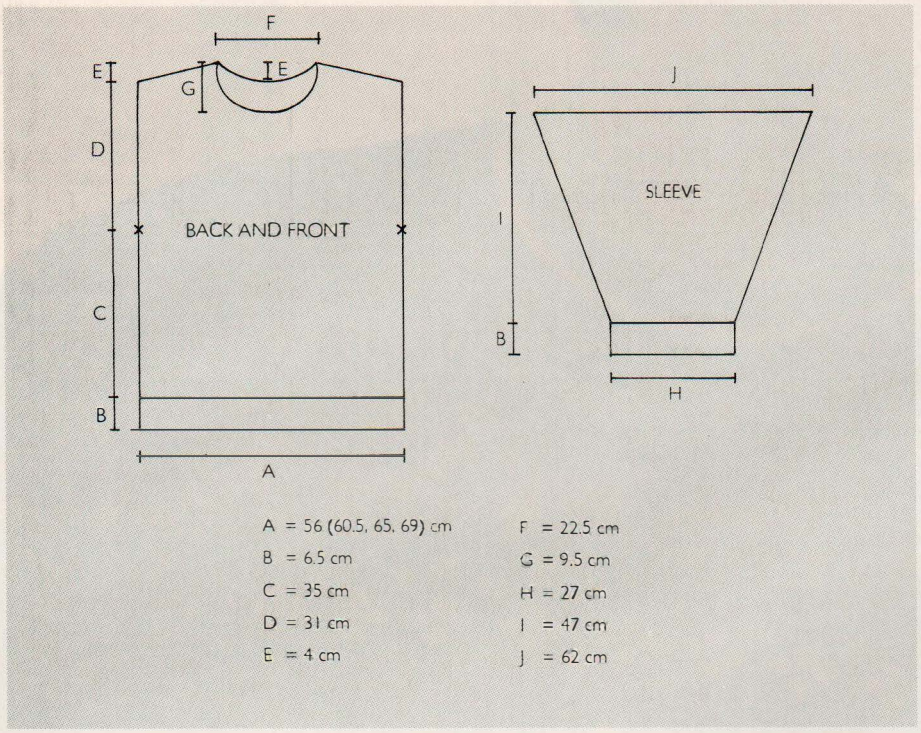


Chart 2



A = 56 (60.5, 65, 69) cm
B = 6.5 cm
C = 35 cm
D = 31 cm
E = 4 cm
F = 22.5 cm
G = 9.5 cm
H = 27 cm
I = 47 cm
J = 62 cm

each end **. K 124 rows. RC shows 264 and work measures 72.5 cm, 28½ in.

Shape Neck and Shoulders

Note patt row on card. Using nylon cord, K 96 (102, 108, 114) sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. * Cast off 5 (6, 6, 7) sts at beg of next row and 3 sts at beg of next row. Rep last 2 rows from * once more. * Cast off 5 (6, 6, 7) sts at beg of next row and 2 sts at beg of next row. Rep last 2 rows from * twice more. * Cast off 5 (6, 6, 7) sts at beg of next row and dec 1 st at beg of next row. Rep last 2 rows from * twice more. Cast off rem 7 (5, 11, 9) sts. With carriage at right, unravel nylon cord over 34 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem 62 (68, 74, 80) Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to **. K 5 rows. Remove card. Insert card 2 and lock on first row. Cont in st st and MC, K 2 rows. Release card and cont in Fair Isle patt 2. Using MT + 1, K 79 rows. Remove card. Insert card 1 and lock on first row. Take carriage across twice without knitting. Release card and cont in Fair Isle patt 1. Using MT, K 12 rows.

Shape Neck

Note patt row on card. Using nylon cord, K 87 (93, 99, 105) sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 3 sts at beg of next and foll 2 alt rows, K 1 row. Cast off 2 sts at beg of next and foll 3 alt rows, K 1 row. Dec 1 st at beg of next and foll 3 alt rows.

Shape Shoulder

* Cast off 5 (6, 6, 7) sts at beg of next row and dec 1 st at beg of next row. Rep last 2 rows from * twice more. Cast off 5 (6, 6, 7) sts at beg of next and foll 4 alt rows. K 1 row. Cast off rem 7 (5, 11, 9) sts. With carriage at right, unravel nylon cord over 16 Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem 71 (77, 83, 89) Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right, push 76 Ns on each bed at centre to WP. Work as for back from * to *. Insert card 1 and lock on first row. Set RC at 000. Using MT, K 4 rows. Release card and cont in Fair Isle patt 1. Shape sides by inc 1 st (3 sts in) at each end of next and every foll 3rd row until there are 102 sts, then on every foll 4th row until there are 174 sts. K 4 rows. RC shows 189 and work measures 53.5 cm, 21 in. Cast off.

NECKBAND

Join right shoulder seam. With carriage at right, push 150 Ns on each bed at centre to WP. Arrange Ns for 2 × 2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2 × 2 rib knitting. Set RC at 000. Using MT–4/MT–4, K 6 rows. K 2 rows B, 4 rows C, 2 rows B and 3 rows MC. Transfer sts for st st. With P side facing, pick up sts around neck edge and place on to Ns. Using MT + 3, K 1 row. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

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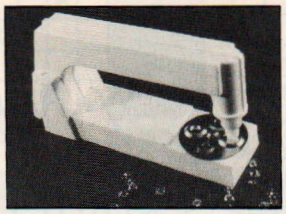

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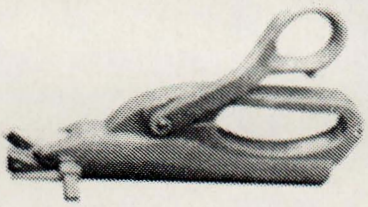

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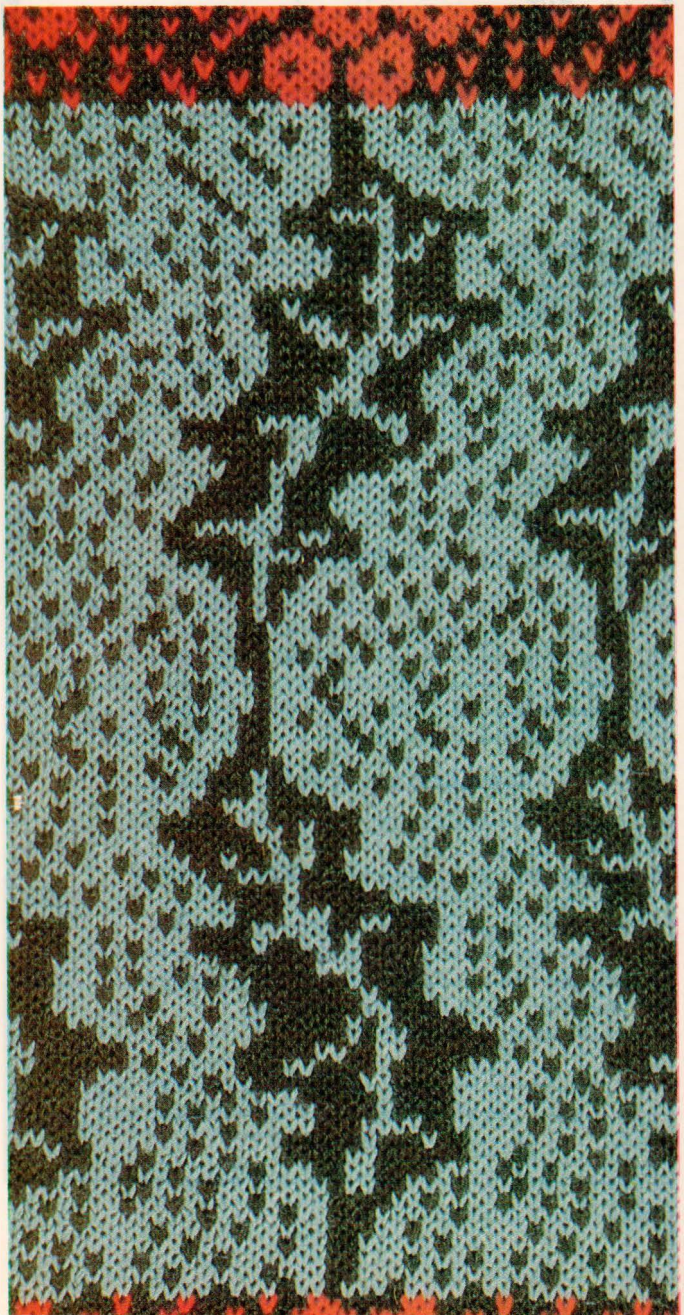
The swatch spot

By Angie Knitwear by Design

Use Angie's knitted fabrics and design ideas as a source of inspiration for creating your own individual look. In preparation for the coming festive season, she illustrates some more traditional designs for you to experiment with – use them for gift ideas or incorporate them into your Christmas knitwear.



Sample 1 and right sample 3

This month I have continued with the Evergreen and Ribbon theme from last time and worked on design ideas using Holly and Mistletoe. These two evergreens were used in the past as well as in present day Christmas celebrations. Mistletoe was regarded as sacred and magical, with powers to ward off evil, whilst it was believed that holly could be used on Christmas Eve to predict a marriage partner – this was done by placing nine holly leaves in a handkerchief, tying the handkerchief with nine knots and placing it under the person's pillow!

I have designed an all-over pattern using mistletoe and a border with ribbon waves to edge it. For the holly I have designed a leaf and berry stripe that can be used as an all-over pattern. The card is cut so that you can knit just the leaves and only add the berries if you wish. I have worked a border using the ribbon wave design with the berries and one leaf. Last month's ribbon designs will also work well as edgings for the border patterns.

The designs are knitted in traditional Christmas colours – red and dark green. They would also work well in browns and rusts for an autumn/winter feel.

FABRIC INSTRUCTIONS

Yarns used:

Forsell 2 ply Pure New Wool Superwash (used double stranded)

Col 1 – Baize (49)

Col 2 – Soft Green (59)

Col 3 – Russett (50)

SWATCH 1 – ALL-OVER MISTLETOE

(For Standard Gauge Punchcard and Electronic Machines)

Push 45 Ns at left and right of centre 0 to WP (90 Ns).

Insert Card 1 and lock on row 1.

Using Col 1, cast on and knit 20 rows stockinet.

Release card and set carriage for Fair Isle.

With Col 1 in feeder 1 and Col 2 in feeder 2, knit 120 rows (four repeats of Card 1).

Remove card and set carriage for stockinet.

With Col 1 in feeder 1 only, knit 20 rows stockinet.

Cast off. Sew in all ends.

Give swatch a light steam on wrong side.

SWATCH 2 – MISTLETOE BORDER

(For Standard Gauge Punchcard and Electronic Machines)

Push 45 Ns at left and right of centre 0 to WP (90 Ns).

Insert Card 2 and lock on row 1.

Using Col 1, cast on and knit 50 rows stockinet.

Release card and set carriage for Fair Isle.

With Col 1 in feeder 1 and Col 3 in feeder 2, knit 8 rows.

Remove card. Insert Card 3 and memorise row 1 to knit. With Col 1 in feeder 1 and Col 2 in feeder 2, knit 28 rows.

Remove card 3. Insert Card 2 and memorise row 1 to knit. With Col 1 in feeder 1 and Col 3 in feeder 2, knit 8 rows.

Remove Card 2. Set carriage for stockinet.

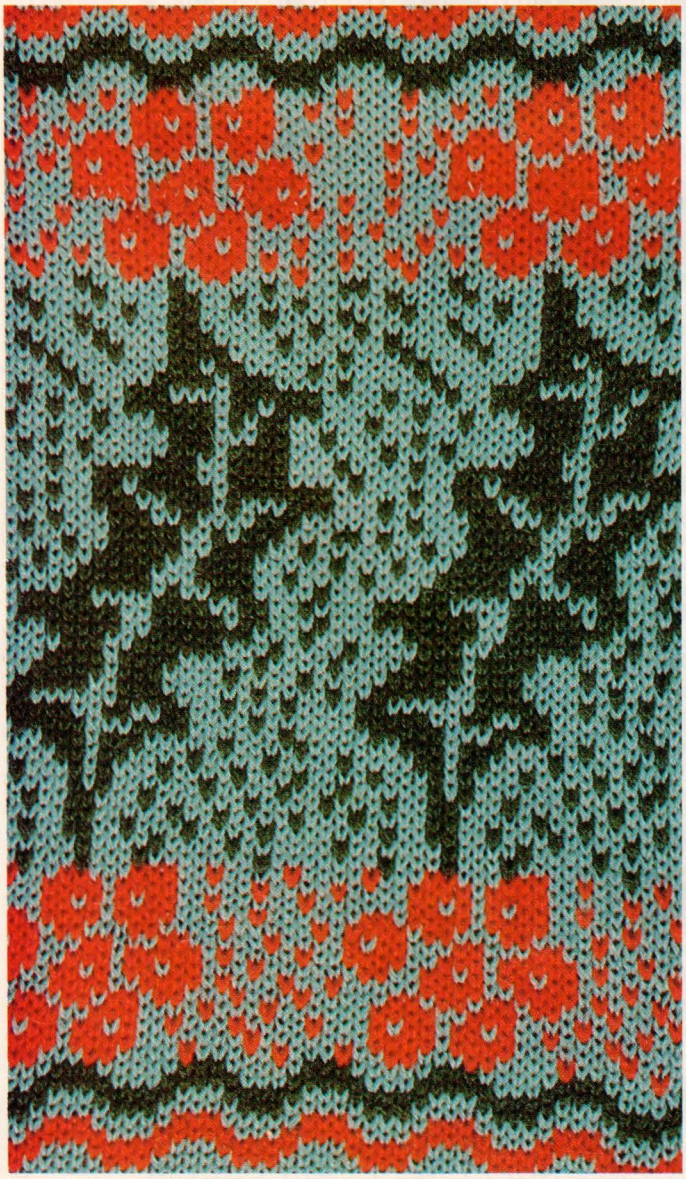
With Col 1 in feeder 1 only, knit 50 rows.

Cast off. Sew in all ends.

Give swatch a light steam on wrong side.

SWATCH 3 – HOLLY & BERRIES DEEP BORDER

26 ▶



Sample 4

Sample 2

(For Standard Gauge Punchcard and Electronic Machines)

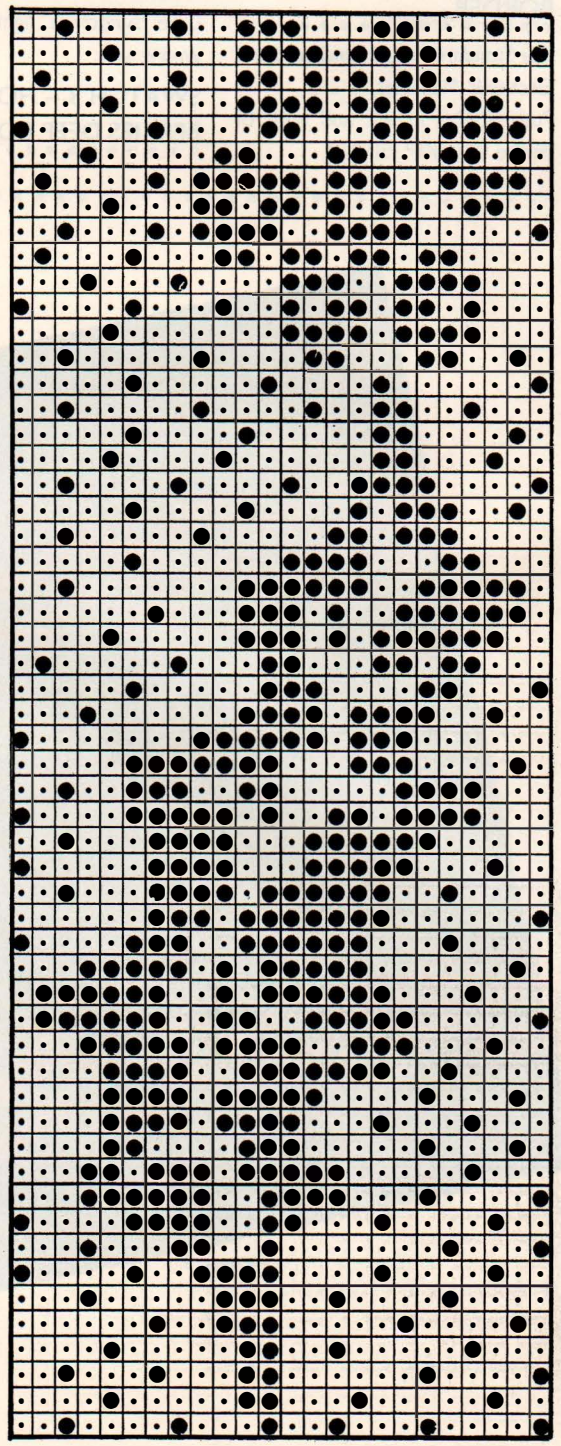
Push 45 Ns at left and right of centre 0 to WP (90 Ns).
Insert Card 5 and lock on row 43.
Using Col 2, cast on and knit 20 rows stockinet.
Release card and set carriage for Fair Isle.
With Col 1 in feeder 1 and Col 3 in feeder 2, knit 14 rows.
Remove card. Insert Card 4 and memorise row 1 to knit.
With Col 2 in feeder 1 and Col 1 in feeder 2, knit 42 rows.
Remove card. Insert Card 5 and memorise row 1 to knit.
Repeat from * to *.
With Col 1 in feeder 1 and Col 3 in feeder 2, knit 14 rows.
Remove card. Set carriage for stockinet.
With Col 2 in feeder 1 only, knit 20 rows.
Cast off. Sew in all ends.
Give swatch a light steam on wrong side.

SWATCH 4 – HOLLY & RIBBON WAVE BORDER

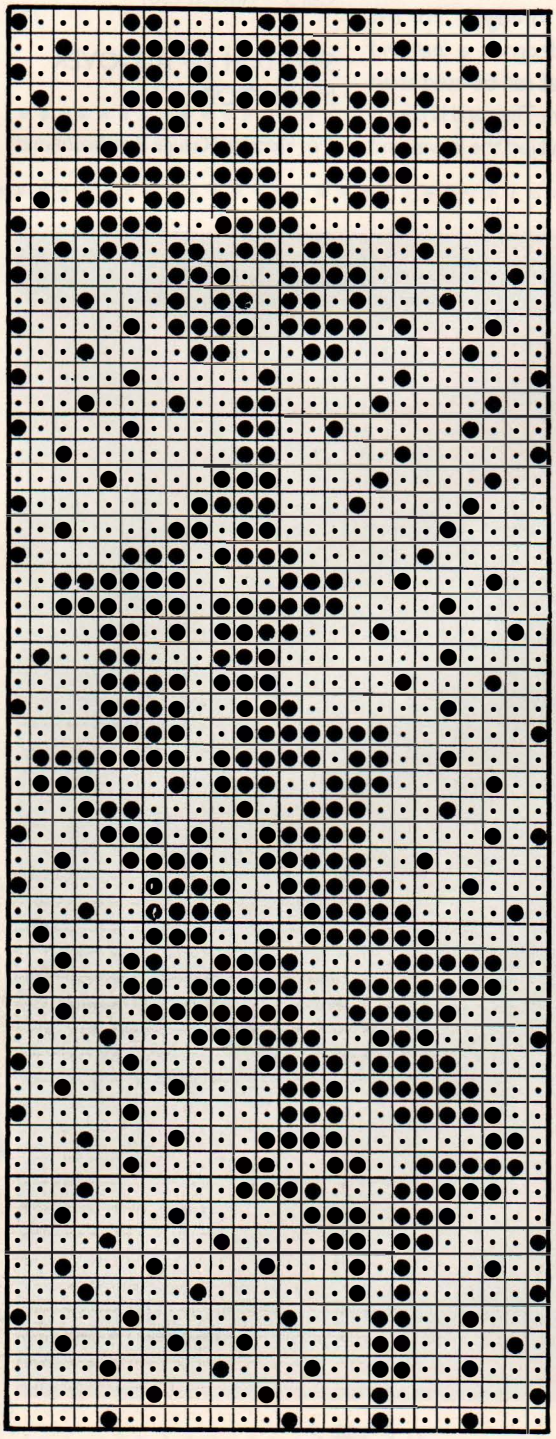
(For Standard Gauge Punchcard and Electronic Machines)

Push 45 Ns at left and right of centre 0 to WP (90 Ns).
Insert Card 2 and lock on row 1.
Using Col 2, cast on and knit 40 rows stockinet.
Release card and set carriage for Fair Isle.
With Col 2 in feeder 1 and Col 3 in feeder 2, knit 4 rows.
With Col 2 in feeder 1 and Col 1 in feeder 2, knit 4 rows.
Remove card. Insert Card 4 and memorise row 43 to knit.
With Col 2 in feeder 1 and Col 3 in feeder 2, knit 14 rows.
Remove card. Insert card 5 and memorise row 1 to knit.
With Col 2 in feeder 1 and Col 1 in feeder 2, knit 42 rows.
With Col 2 in feeder 1 and col 3 in feeder 2, knit 14 rows.
Remove card. Insert card 2 and memorise row 1 to knit.
With col 2 in feeder 1 and Col 1 in feeder 2, knit 4 rows.
With Col 2 in feeder 1 and Col 3 in feeder 2, knit 4 rows.
Remove card. Set carriage for stockinet.
With Col 2 in feeder 1 only, knit 40 rows.
Cast off. Sew in all ends.
Give swatch a light steam on wrong side.

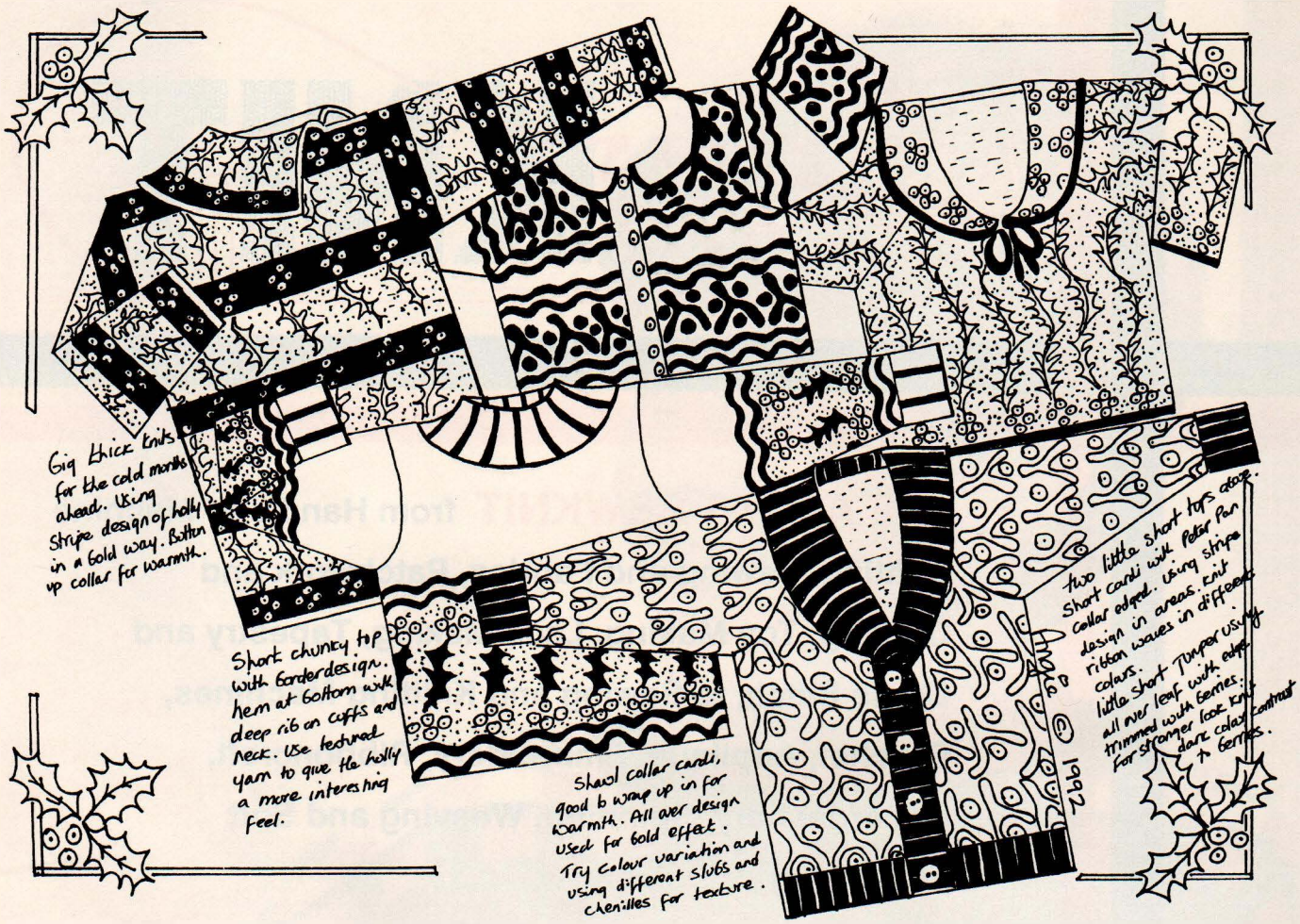
Angie is available to give talks to knitting clubs. For more information please telephone her on 0293 523805.

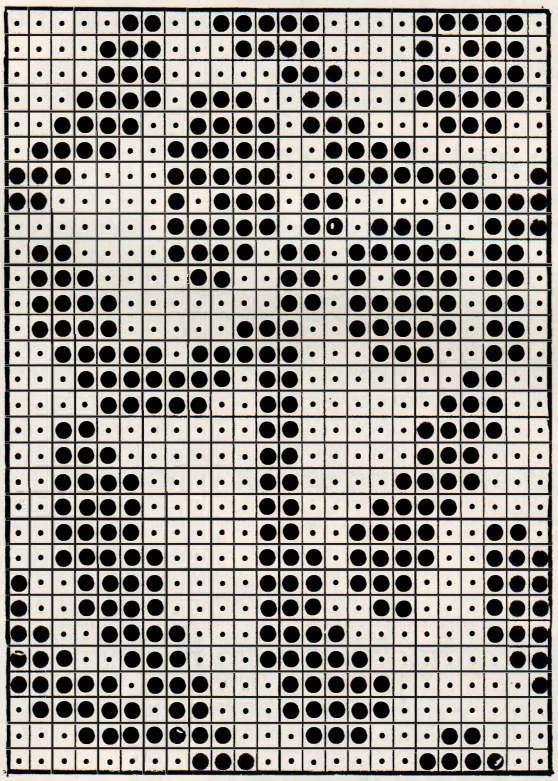


Card 4
Repeat = leaf 42 rows berries 14 rows
both 24 sts

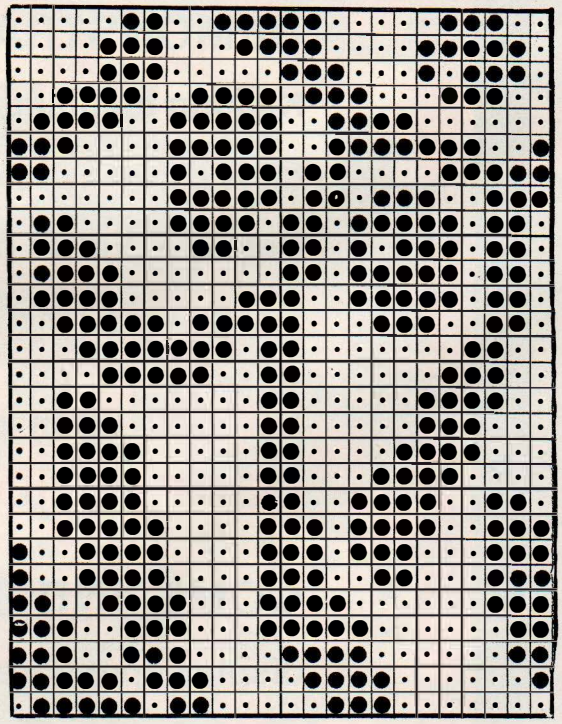


Card 5
Repeat = leaf 42 rows berries 14 rows
both 24 sts

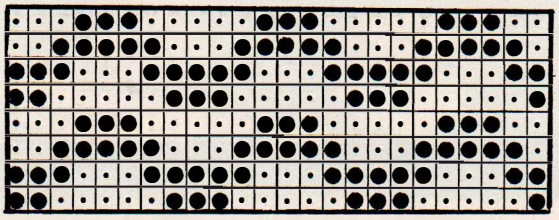

Big thick knits for the cold months ahead. Using stripe design of holly in a bold way. Button up collar for warmth.
Short chunky top with borderdesign. hem at bottom with deep rib on cuffs and neck. Use textured yarn to give the holly a more interesting feel.
Shawl collar cardi, good to wrap up in for warmth. All over design used for bold effect. Try colour variation and using different slubs and chenilles for texture.
Two little short tops alike. Short cardi with Peter Pan collar edged. using stripe design in areas. knit ribbon waves in different colors.
little short jumper using all over leaf with edge trimmed with berries. For stronger look knit dark color contrast for berries.
1992



Card 1 Repeat = 30 rows and 24 sts



Card 3 Repeat = 28 rows and 24 sts



Card 2 Repeat = 4 rows and 24 sts

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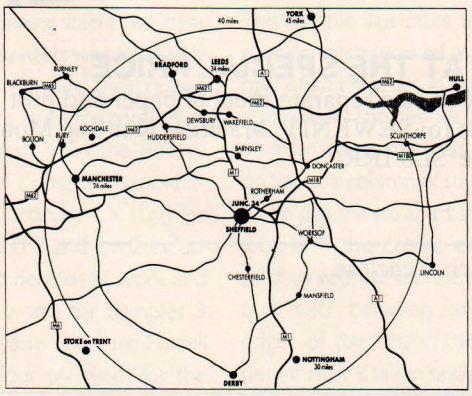

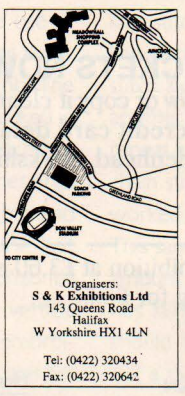

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Finishing touch

By Angela Gordon

Add a touch of Christmas glitter to your knitwear by decorating your ribbing with a few simple embroidery stitches. Choose one of the many fancy sparkle yarns for working your own creative ideas to turn your plain garments into original party wear!

Before you decide that the technique for embroidered ribbing is not for you, don't turn over just yet! These samples are very easy to work and do not require any special needle skills. I am definitely no embroiderer – in fact, my childhood memories of embroidery lessons at school are quite painful. I can remember having to embroider a pencil case with my initials in cross stitch. By the time the teacher accepted my work the canvas was so tatty, because of the number of times the stitches had been pulled out and re-worked, that the pencil case was useless!

If you can manage to sew up the seams of your sweaters, you will have no problems with these embroidery samples – the first one is definitely very easy to work as it is just plain running stitch! The ideas are ideal for knitters who have only recently started using their ribber, yet who want to create something a little different from the normal 1 × 1 and 2 × 1 ribs. The basic knitted fabric is ordinary 1 × 1 rib for Samples 1 and 2 and 2 × 2 industrial rib (two needles in work and one out of work) for Samples 3 and 4. The yarns used are Forsell Superwash four ply wool for the basic fabric and I have used Twilley's Goldfingering for the embroidery. The Goldfingering goes a long way when it is only used for decoration and one ball will probably decorate a sweater. The glitter of Goldfingering is just right for party wear and I think that I am going to use it to work some embroidery on a plain Angora sweater for myself. However, when I first started thinking of embellishing my ribbing with embroidery, I had in mind highly textured yarns with colourful slubs and knops spun into them. These would be ideal on chunky sweaters and jackets and I am certainly planning to experiment at a future date when I have some free time – embroidery does take a lot of time to work.

I have used simple sewing stitches and counted the knitted stitches to keep the embroidery even. Using stitches in this way is similar to working on tapestry canvas.

SAMPLE 1

This sample illustrates the use of running stitch worked along every row of knit stitches in the rib. The embroidery stitches are worked in a similar way to mattress stitch, but on the one column of stitches only. If you pull the rib apart slightly and look into the centre of the knit stitches you will see the horizontal purl bars between the vertical edges of the stitch. The embroidery thread is taken under one bar and over two bars to create the running stitch. As the running stitches are contained within the stitch formation the effect is very subtle (in comparison to the other three samples). I think this idea could look very elegant around the neckline of a wide boat-necked sweater knitted in silk (it is always so easy to design garments in luxury yarns – perhaps it's just as well that I never get around to knitting them or I might have to buy the yarn!).

SAMPLE 2

Here I have used a combination of backstitch and chain stitch. I am sure that most knitters know how to work backstitch and chain stitch is fairly easy too. Any book of basic embroidery stitches will show you how, if you do not know already. Montse Stanley's book *'Knitting Plus'* has very good diagram illustrations with plenty of interesting ideas for embroidering knitwear.

On this sample I have worked backstitch along one column of knit stitches, missed a column of knit stitches and then worked chain stitch along the next column. Miss another column of knit stitches and repeat across the ribbing. Both the chain stitch and the backstitch are worked over two horizontal bars. This sample is very glittery and the amount of embroidery makes the ribs fairly heavy, so a strong yarn should be used. This is probably not a suitable idea to work on my Angora sweater!

SAMPLE 3

This time I have used a 2 × 2 rib with an embroidery stitch which looks very much like large knit stitches embroidered on the ribbing – reminiscent of Swiss darning. The needle is brought up through the work to the right side between the two columns of knit stitches.

Working on the right hand column of stitches first, miss two vertical stitches and then pass the needle in from the right hand edge and behind the third stitch.

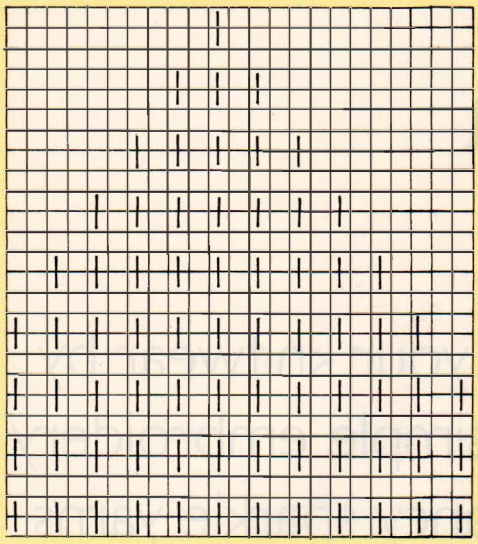
The yarn is once again coming out between the two columns of stitches. Again miss two stitches vertically and pass the needle inwards behind the third one.

Continue in this way until you have created the right half of your 'Swiss' darning all the way to the top of the rib.

On the last pass of the needle behind the stitch, take it all the way behind both stitches together, so that it reappears on the left edge of the two stitch column. Work back down to the bottom of the rib; this time the needle will enter the fabric in the centre (between the two stitch columns) and pass behind the left stitch, emerging on the left edge. The needle must enter the centre of the columns in the same place from where the embroidery yarn from the previously worked column emerges.

The embroidery is worked over every two stitches in each column, but there is no reason why you could not work on every alternate or even every third or fourth column if you wish.

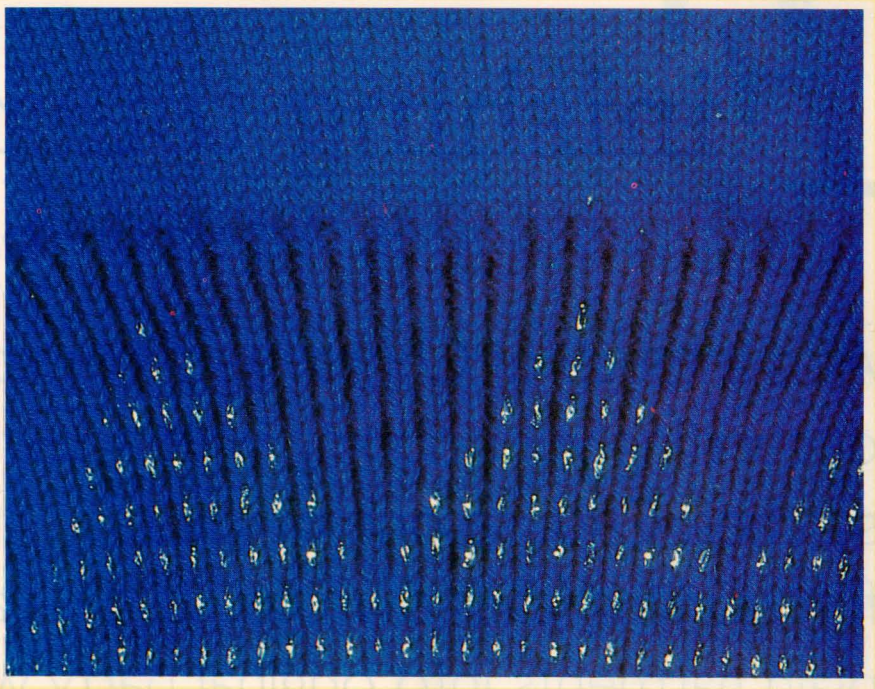
32 ►



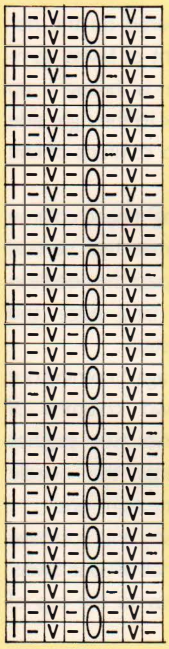
Key

= Stitch over bars of stitch (knitted)

= Stitch under bar of stitch (knitted)



Sample 1



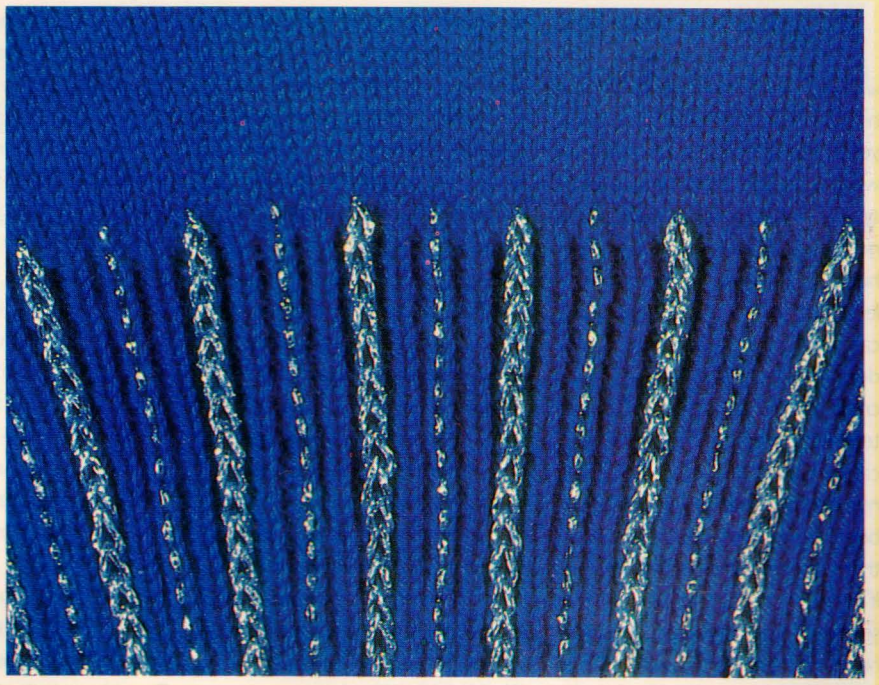
Key

= Backstitch

= Purl stitch } Not embroidered

= Knit stitch }

= Chain stitch



Sample 2

SAMPLE 4

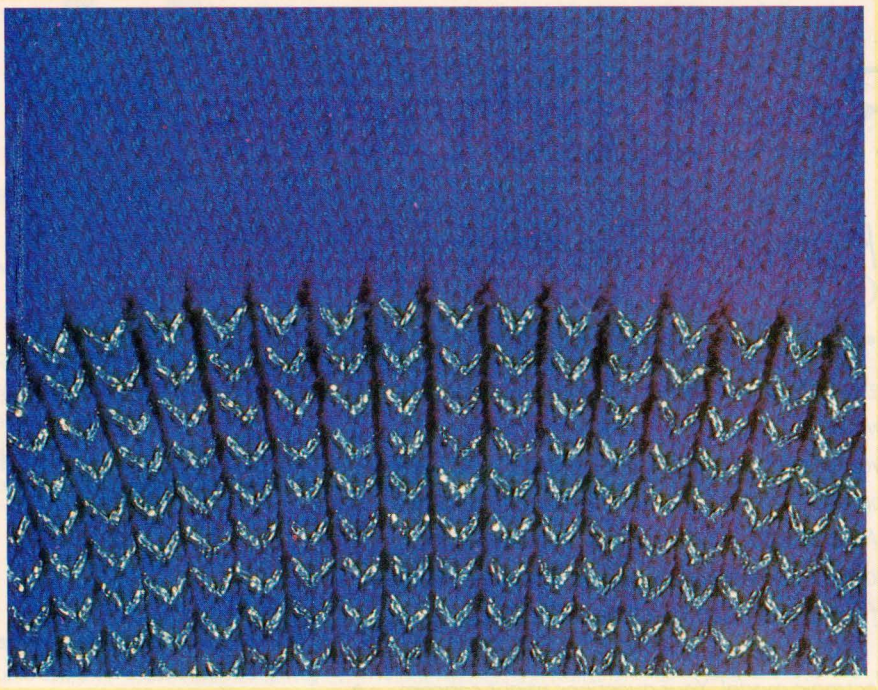
The last example illustrates a diagonal block design where the embroidery has been worked over the two stitch columns and five vertical stitches for each block. It is rather like oversewing every stitch on the right column from bottom to top (of the five stitches) and then oversewing on the left column from top to bottom. When the five stitches are completed, the needle passes across to the next vertical two stitch column and starts one row above the adjacent completed block.

I hope that you will use these samples as a starting point for experimentation and move on to create your own ideas for embroidered ribs. It is important to bear the following points in mind when designing your own stitches:

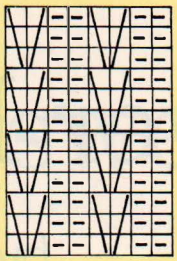
Once you have read through these instructions and worked some of the samples, you will realise that the embroidery is always worked vertically on the stitches from bottom to top and top to bottom. It is not worked horizontally across the width of the knitting. There is a good reason for this. The rib must retain its elasticity, which it certainly would not if the embroidery thread linked the stitch columns horizontally.

Embroidery certainly adds weight to the ribs, particularly when using a heavy yarn. This could be quite useful if you need to firm up a limp rib!

Knitters who get withdrawal symptoms, because their machines are packed away for the Christmas festivities, could pre-knit their sweaters and work the embroidery whilst relaxing after the pudding!

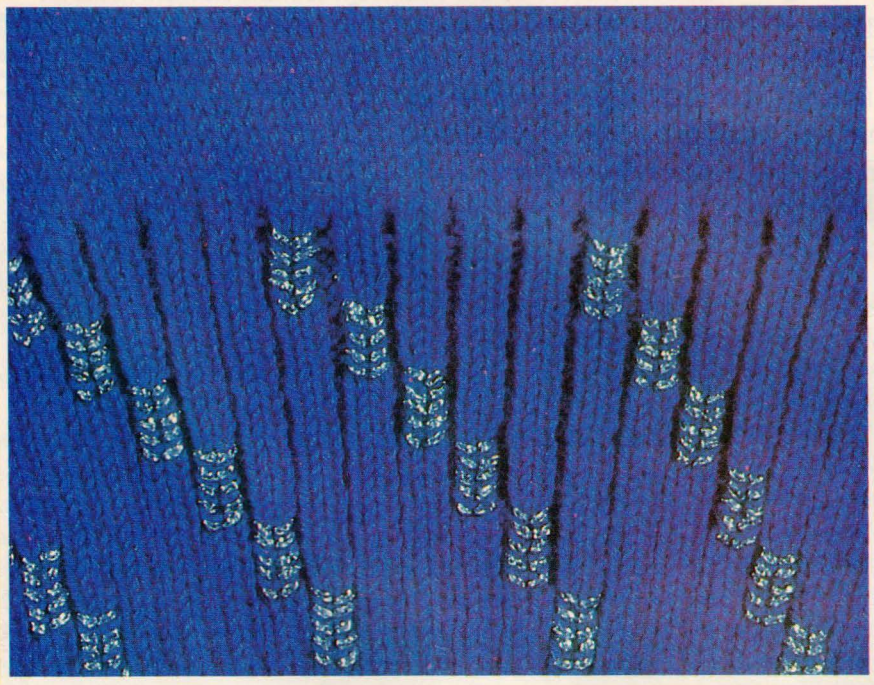


Sample 3

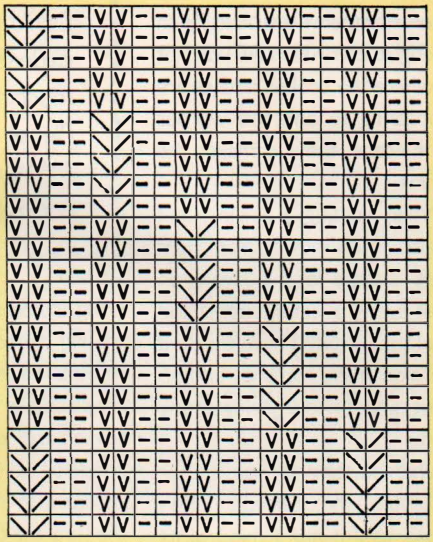


Key

= Stitch over 3 knit stitches



Sample 4



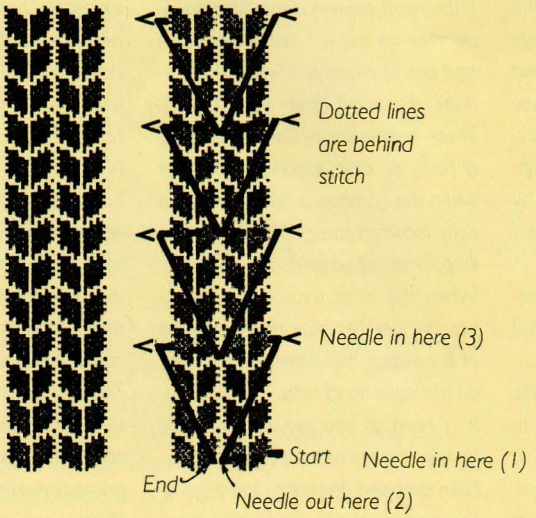
Key

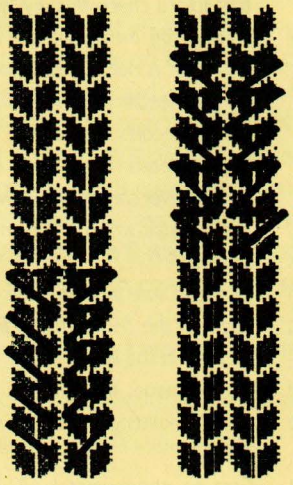
V = Knit stitch

– = Purl stitch

/ = Embroidery stitch

Sample 3





Sample 4

Silver Reed advice spot

by Kamalini Trentham

If you are a Silver Reed owner, take this new opportunity to write in with your machine knitting queries. We will pass your letters on to Kamalini Trentham and publish her answers and advice for the benefit of other Modern Machine Knitting readers. Kamalini will be pleased to hear from anyone who has a specific query on any of the Silver Reed machines, whether it be a standard, chunky, DK or fine gauge; manual, punchcard or electronic model. Your questions might concern a knitting technique, patterning query, use of one of the accessories, or a general problem you are experiencing. Don't forget, it doesn't matter whether you are an experienced knitter or just starting out as a beginner to machine knitting – your query might help others too! Please send your letters to 'Silver Reed Advice Spot', MMK, 3 Bridge Avenue, Maidenhead, Berks SL6 1RR, enclosing a SAE for your reply.

Dear Kamalini,

It was with a sigh of relief that I saw in my recent issue of MMK that you needed queries from Silver Reed owners. I was given an SK 840 with EC 1 Pattern Controller last Christmas and I would be very grateful for any help on the following three problems:

a) I have already used up eight spare needles because, when moving the carriage from right to left, occasionally a latch is broken off a needle. It doesn't seem to matter whether I am knitting in stocking stitch or Fair Isle. I cannot find where the broken latches are disappearing to and this worries me in case they damage the machine.

b) When knitting a single motif and also when moving from right to left, a large loop appears on almost every row at the right hand side of the knitting. I have checked all tension masts, brushes and so on, but cannot find anything wrong or dirty.

c) When knitting in Fair Isle or tuck stitch the carriage often releases, as if it has a mind of its own when it cannot cope with the knitting! This can be very annoying, especially as I am always careful in how I use the machine and never force it in any way. I have taken the carriage back to the dealer but he can find no reason for any of the problems.

I do hope you will be able to advise me on the above queries.

Your sincerely,

Susan Dyker, Rattray, Blairgowrie, Scotland

Loops forming on the right edge of the knitting when the carriage moves from right to left is not an uncommon occurrence for a beginner (in fact, they are often referred to as beginners loops!) These are usually formed when the tension on the mast is too loose. They can also occur if the carriage is taken too far beyond the last needle in working position. Try tightening the tension on the mast and moving the carriage with a smooth rhythm. The tension on the mast and the stitch size setting on the carriage tension dial are yarn specific and should be set correctly for each yarn, according to its thickness – the finer the yarn, the tighter the tensions.

Your problem of broken latches and the carriage release seems to be related. It looks as if the carriage is not seated on the bed properly. If you turn the carriage upside down you will see a plastic lip on the front. The front rail of the bed needs to slide into this lip. To check this, try lifting the carriage off the bed. If the carriage lifts off, it is not correctly positioned on the needle bed. This will cause broken needles and activate the carriage release lever. The carriage release lever can also be activated by a stitch size which is too small so I suggest:

a) make sure that you slide the carriage on the bed with the front rail securely in the lip.

b) determine the tension for the yarn by knitting a tension strip as follows:

Cast on approximately 30 stitches and knit a few rows at a loose tension (e.g. tension 8 for a 4 ply yarn). Change the tension by one whole number and knit a few more rows. Continue in this way, changing the tension and knitting a few rows at each new tension until the machine will not knit. You may well find that at this point your carriage release lever releases the carriage. Now start loosening the tension but only one dot at a time. As soon as you find the carriage is knitting comfortably, knit a few rows and release the fabric. This will be the correct tension for your yarn and your machines.

If the mast tension is too tight, some needles on the left will move down and out of alignment when the carriage is moved from right to left. These needles may unravel, forming a float, or drop stitches altogether when the carriage is returned to the right. Incorrect mast tension results in loops or dropped stitches at the ends. When the mast tension is correctly set, the needles stay neatly aligned at B position and there are no loops on the right hand side.

It is hard to say just where those broken latches are ending up. If they have dropped down into the base of the machine they will probably do no harm, but if they have been picked up by the magnets on the carriage they could cause damage to the needle bed and carriage. Turn the carriage and brush plate upside down to check.

Dear Kamalini,

I am very pleased that you will be giving advice. I have an electronic and recently experienced some problems with the patterning. I finally discovered that when I changed the N1 Cam and Point Cams, everything worked correctly again.

Do these Cams wear out and, rather than dusting them, is there a liquid which I could use to clean them with instead? In the instruction book it states what NOT to use, but does not suggest anything that could be used!

Your sincerely,

Mrs W. Dyson, Uckfield, East Sussex

Yes, the cams can wear out, but more often they are damaged. As Erik Weitz explained in the May issue (Silver Electronics – Part 2) the N1 and the Point cams have little magnets. It is important to keep these lint and dust free as any build up can reduce the effectiveness of the magnets, resulting in erratic needle selection. The magnets can also become demagnetised by excessive contact with other magnets and metals. For example, it is never a good idea to stick the N1 Cam on the yarn break rod. Sometimes, the magnet can fall out of the N1 Cam. If you are not able to put it back, the Cam will need to be replaced. The Point cam has a little spring which might become loose with use, allowing the Point cams to move from their set positions. This could also result in mis-patterning.

The Point Cams and N1 Cam can be cleaned with surgical spirit, but take care that you do not clean the printed area as this will dissolve in the spirit!

Boy's reindeer sweater

You'll find this design popular amongst the younger members of the family. A fun combination of motifs and borders for Christmas, designed by Terri Burns for 'Studio by White'.

Studio by WHITE

This exclusive design is featured in Modern Machine Knitting courtesy of Susan Guagliumi for 'Studio by White'. We are extremely grateful to be able to share this valuable link with American designers and machine knitters and thank Susan for her co-operation and assistance in providing our special collection of garment designs from the U.S.A.

BACK

With carriage at right, push 128 (144) Ns on each bed at centre to WP. * Arrange Ns for 2×2 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set machine for 2×2 rib knitting. Set RC at 000. Using MT-4/MT-4, K 24 rows. Transfer sts for st st *. Insert card 1 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT, cont

36 ▶

FOR STANDARD GAUGE PUNCHCARD OR ELECTRONIC MACHINES WITH A RIBBER.

If you don't have a ribber work in mock rib as page 63.

SIZES

To fit chest 71-77 (82-87) cm, 28-30 (32-34) in.
Actual size 87 (98) cm, 34¼ (38½) in.
Length to shoulder 54.5 (58) cm, 21½ (22¾) in.
Sleeve seam 40 (46) cm, 15¾ (18) in (adjustable).

Instructions are written for the first size, larger size follows in brackets. If only one figure is given, it applies to both sizes.

MATERIALS

Denys Brunton De-Lux 4-ply.
1 (1) × 400 g cone in Black (MC).
1 (1) × 400 g cone in White (A).
Approx 50 (75) g in Green (B).
Approx 50 (75) g in Red (C).
Approx 50 (50) g in Fawn (D).

GARMENT WEIGHT

Finished garment in first size weighs 370 g.
The fibre content of this yarn is 100% Acrylic.

TENSION

29 stitches and 42 rows to 10 cm, 4 in measured over Fair Isle (tension dial approximately 7).
28 stitches and 40 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 7).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Punch cards, as shown, before starting to knit. Fill in pattern cards, as shown, before starting to knit.
Knit two colour Fair Isle rows with first colour given in back feeder 1/A to knit background and second colour given in front feeder 2/B to knit contrast pattern.

Fair Isle Pattern

Release card and cont in Fair Isle. K 8 rows A/C, 8 rows A/B and 8 rows A/C. Remove card. Insert card 2 and lock on first row. Cont in st st and MC, K 3 rows. Release card and cont in Fair Isle. K 9 rows MC/A, 2 rows MC/C, 5 rows MC/A and 8 rows MC/B. Remove card. Insert card 3 and lock on first row. Cont in st st and MC, K 3 rows. Release card and cont in Fair Isle. K 16 rows B/C, 2 rows A only (st st), 2 rows A/B, 3 rows A/C, 4 rows A/B, 2 rows A only (st st) and 16 rows B/C. Remove card. Insert card 4 and lock on first row. Cont in st st and MC, K 3 rows. Release card and cont in Fair Isle. K 25 rows MC/D. Remove card. Insert card 5 and lock on first row. Cont in st st and MC, K 4 rows. Release card and cont in Fair Isle. K 8 rows A/B, 8 rows A/C, 2 rows MC only (st st), 8 rows B/C, 3 rows MC only (st st), 15 rows MC/B, 3 rows MC only (st st) and 8 rows B/C. Remove card. Insert card 1 and lock on first row. Cont in st st and MC, K 2 rows. Release card and cont in Fair Isle. * K 8 rows A/C and 8 rows A/B. Rep from * throughout.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Denys Brunton Designer Yarns, Moorland Mills, Law Street, Bradford Road, Cleckheaton, West Yorkshire BD19 3QR.

pattern 5

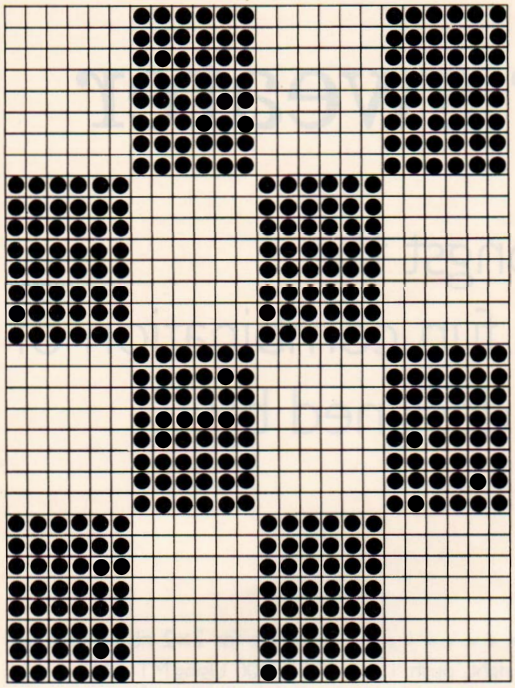


Chart 1

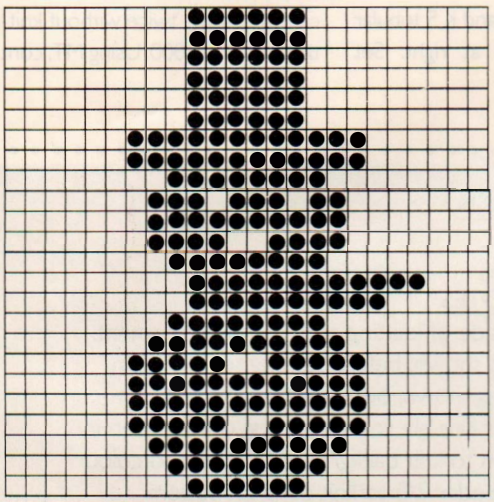


Chart 2

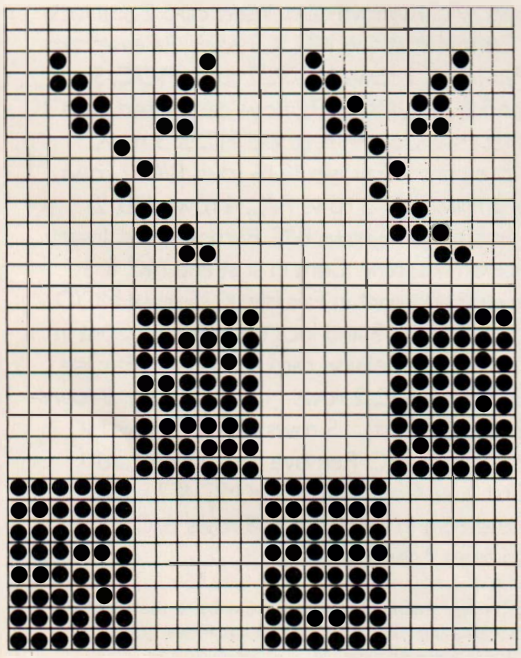


Chart 3

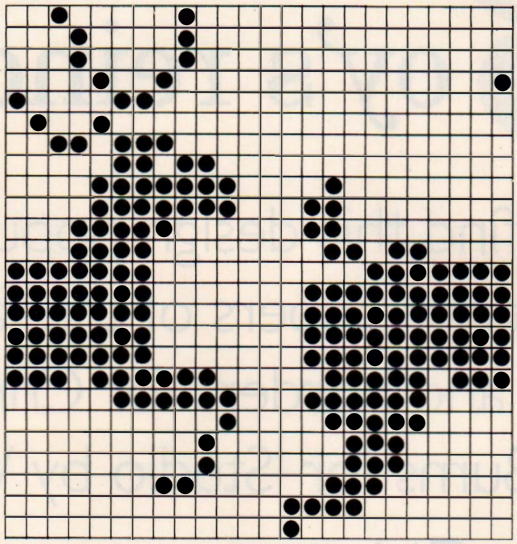


Chart 4

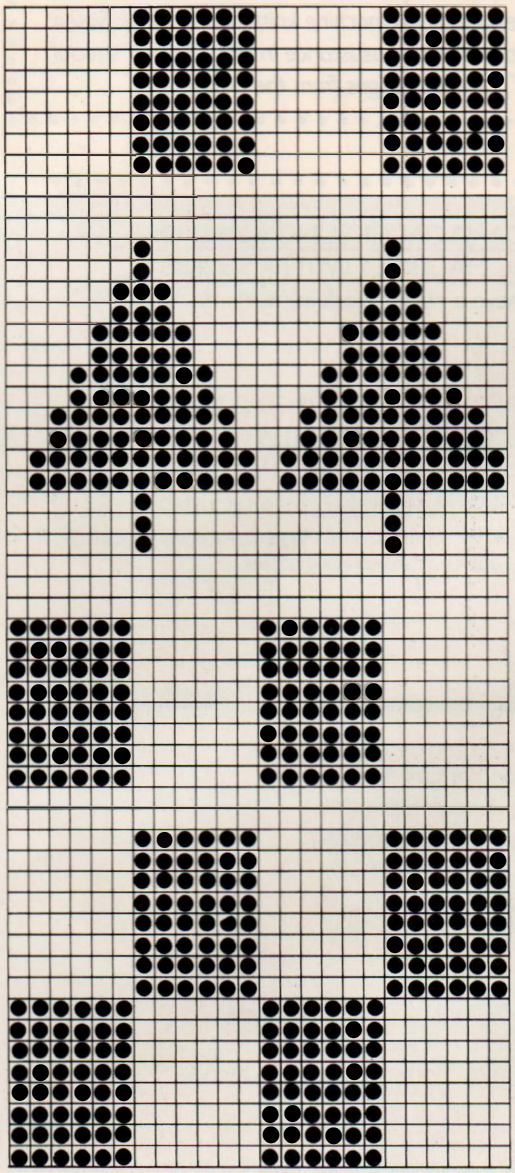
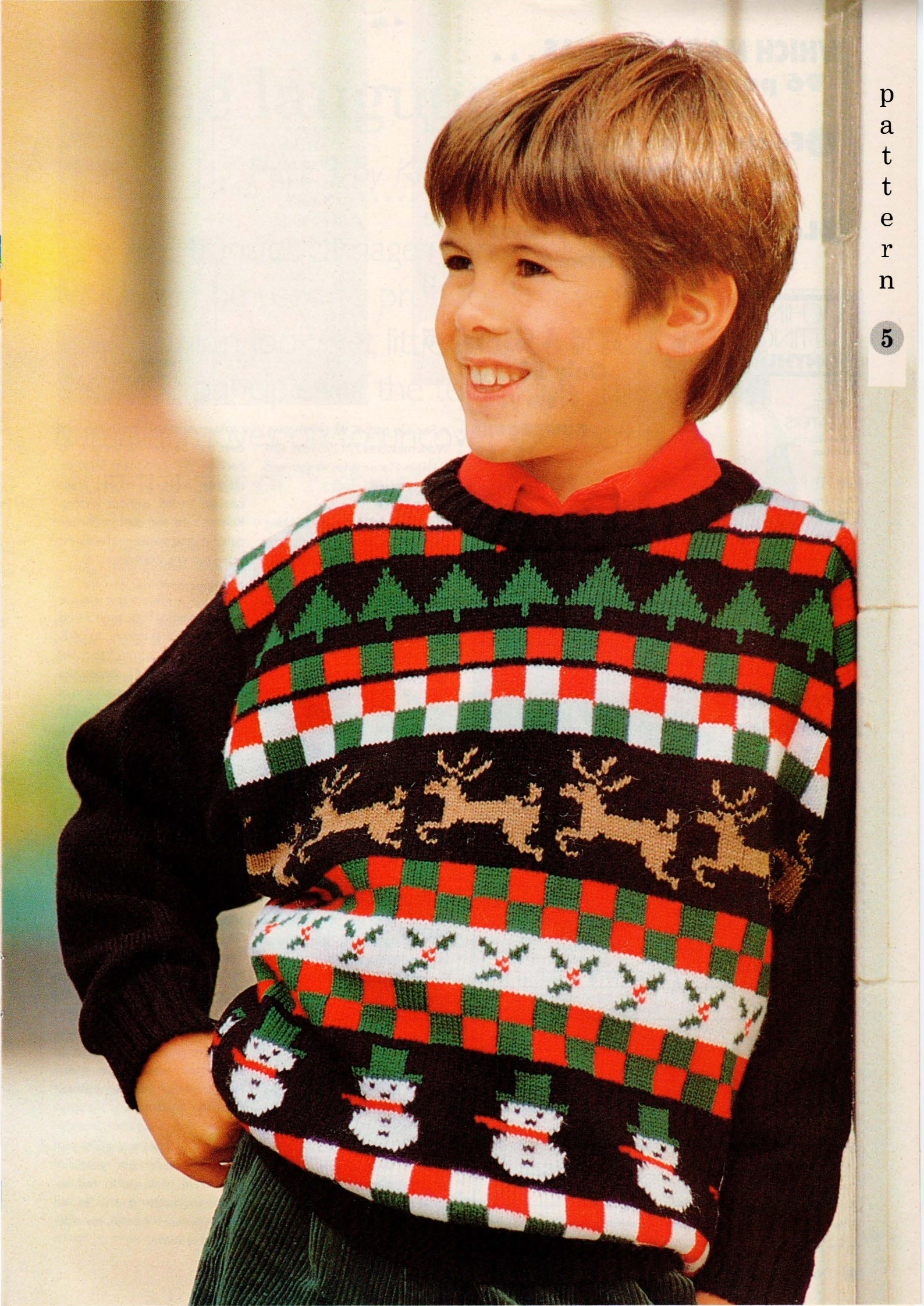


Chart 5

Shirt and trousers, *Model's own*



pattern 5

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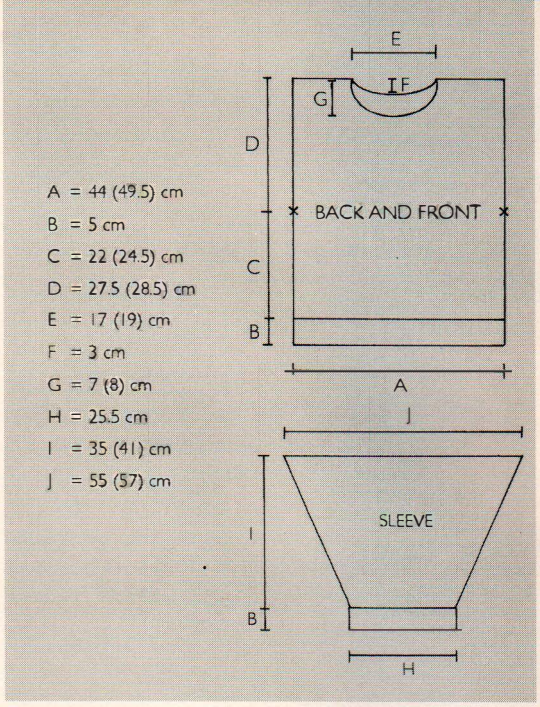
pattern 5

A = 44 (49.5) cm
B = 5 cm
C = 22 (24.5) cm
D = 27.5 (28.5) cm
E = 17 (19) cm
F = 3 cm
G = 7 (8) cm
H = 25.5 cm
I = 35 (41) cm
J = 55 (57) cm



in Fair Isle patt. K 92 (104) rows. Work measures 27 (29.5) cm, 10¾ (11¾) in. Place marker at each end **. K 104 (108) rows.

Shape Neck

Note patt row on card. Using nylon cord, K 75 (86) sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 3 sts at beg of next and foll alt row, K 1 row. Cast off 2 sts at beg of next and foll 3 alt rows, K 1 row. Cast off rem 39 (44) sts. With carriage at right, unravel nylon cord over 22 (28) Ns at right bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem 53 (58) Ns bringing Ns back to WP. Lock card on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

FRONT

Work as for back to **. K 86 rows.

Shape Neck

Note patt row on card. Using nylon cord, K 70 (80) sts at left by hand taking Ns down to NWP. Cont on rem sts for first side. K 1 row. Cast off 3 sts at beg of next row, K 1 row. Cast off 2 sts at beg of next and foll 3 alt rows, K 1 row. Dec 1 st at beg of next and foll 7 (8) rows. 39 (44) sts. K 5 (7) rows. Cast off. With carriage at right, unravel nylon cord over 12 (16) Ns at right, bringing Ns back to WP. Using WY, K a few rows in st st and release from machine. With carriage at right, unravel nylon cord over rem 58 (64) Ns bringing Ns back to WP. Lock card 5 (1) on number previously noted. Take carriage to left without knitting. Release card and cont in Fair Isle patt. Finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right, push 72 Ns on each bed at centre to WP. Work as for back from * to *. Set RC at 000. Using MT, shape sides by inc 1 st (3 sts in) at each end of every 3rd row until there are 132 (108) sts, then on every foll 4th row until there are 154 (160) sts. K 6 rows. RC shows 140 (164) and work measures 40 (46) cm, 15¾ (18) in. Cast off.

NECKBAND

Join right shoulder seam. Push 120 (136) Ns to WP. With P side facing, pick up sts around neck edge and place on to Ns. Unravel WY. Set RC at 000. Using MC, K 1 row. Transfer sts for 2×2 rib. Using MT-4/MT-4, K 24 rows. Transfer sts to back bed. Cast off.

PRESSING

With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Join left shoulder and neckband seam. Fold neckband in half to inside and catch down. Set in sleeves between markers. Join side and sleeve seams.

The language of lace

Part 3 *by Kamalini Trentham*

The lace transfer carriage is an invaluable accessory which can be used to produce knitwear with the latest fashion look, yet little is understood about the basic principles of the technique. This month Kamalini moves on to uncover the secrets of multi-transfer or 'Fashion' lace.

As we saw in Plain lace, all stitch transfers within a row are made in one direction and the decrease is placed side by side with the increase. In spite of this limitation an immense variety of intriguing patterns can be produced. Fashion lace introduces further intrigue and variety by enabling the right and the left transfers to be made within the same row and allowing the increase and decrease to be placed away from each other.

Unlike Plain lace, where both the transfer and knitting are accomplished within the same row, in Fashion lace all transfers within a row are done without any yarn and therefore no knitting occurs in the transfer rows. Once the transfers are complete, the yarn is replaced in the feeder and one or more rows are knitted.

When the cam lever on the lace carriage is set to P ( ) the needles corresponding to the marked stitch on the mylar sheet (punched hole on the card) transfers its stitch to the needle on the right if the carriage is moving to the right and to the needle on the left if the carriage is moving to the left.

In Sample 1 (also illustrated in the October issue, Part 1), we can identify the decreased and the increased stitches – they are separated by three needles. The lace carriage achieves the necessary transfers in several steps, each requiring the lace carriage to be moved across all the needles in working position. This is referred to as a row, even though it will not register on the row counter as no knitting is done. Manual duplication of the steps taken by the lace carriage for one pattern row will help you to understand how the multiple transfers are achieved. This is best done by knitting a sample as given below.

Sample 1

Cast on 15 stitches over needles 3 left to 12 right of centre 0 and knit several rows. The three stitches on the left of centre are used to keep the continuity of the pattern repeat – the following transfer instructions relate to needles 1 to 12 on the right of centre only:

(Note: st = stitch, N = needle)

1: Transfer st on N6 to N5.
2: Transfer st on N4 to N5.
3: Transfer st on N7 to N6.
4: Transfer st on N3 to N4.
5: Transfer st on N8 to N7.
6: Transfer st on N2 to N3.
7: Transfer st on N9 to N8.
8: Transfer st on N1 to N2.

There are now three stitches on needle 5 and needles 1 to 9 have no stitches. This completes the transfer sequence and the row is ready to be knitted. For steps 9–14, knit 6 rows. Repeat steps 1–14 three more times.

Manual transfers can be made easy by using a four prong transfer tool (use a seven prong tool adjusted to four). Stitches from needles 1, 2, 3 and 4 can be moved to needles 2, 3, 4 and 5 and from needles 9, 8, 7 and 6 to 8, 7, 6 and 5 in one go, leaving needles 1 and 9 empty for an increase.

Each manual step in which a transfer is made is a row for the lace carriage and becomes a row on the pattern card 'from needle' to be marked or punched. Therefore row 1 of the pattern card has needle 6 marked/punched, row 2 has needle 4 marked/punched and so on. Rows 9–14 are left blank and correspond to the actual 'knitting' rows which are registered on the row counter. For these rows the cam lever is returned to 0 and the yarn is placed in the feeder.

Sample 2

As in Sample 1, Sample 2 has two decreases within the repeat, but only has two needles between the increase and the decrease. In Sample 1 both decreases are placed on the same needle, resulting in three stitches together on one needle, whereas in Sample 2 the two decreases are placed on different needles.

There are only two rows of knitting between each transfer sequence. Note that the steps for making the pattern card follow the same sequence. The decreased stitches are moved first, the left decrease being worked before the right one, as the lace carriage is moved to the left from its start position on the right side at the beginning of the knitting.

Sample 3

The faggot mesh of Sample 3 is as interesting on the purl side as on the knit side. The stitch structure has depth and yet is simple to knit. Samples 1 and 2 were both repeats of one transfer row. Sample 3 has two transfer rows separated by two rows of knitting. Both transfer rows have two decreases and both decreases are placed on the same needle. The decrease and increase, however, are side by side.

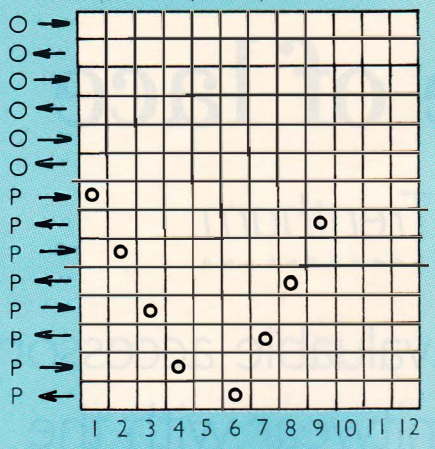
Sample 4

This is a variation of Sample 1. The first and the third stitch in the three stitch group is crossed over to form a cable every six rows. Cross stitches over after the transfer row and before knitting the six rows.

When knitting Fashion lace it is necessary to keep track of the number of rows knitted with the

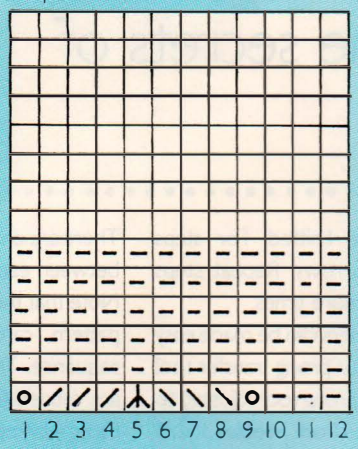
40 ▶

Pattern Card for Sample 1.



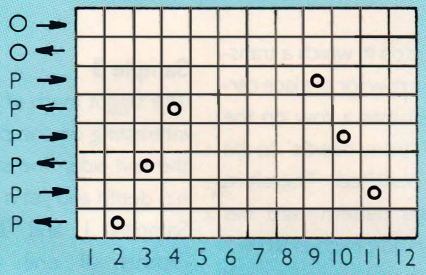
8 transfer rows at P
6 knit rows at O
The above sequence forms one repeat of the pattern.

Sample 1



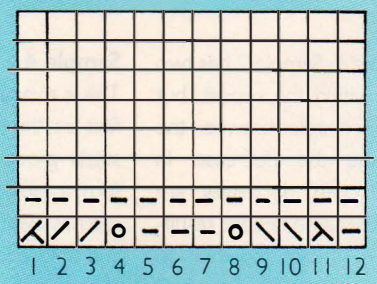
Pattern repeat — 12 sts and 6 rows.

Pattern Card for Sample 2.



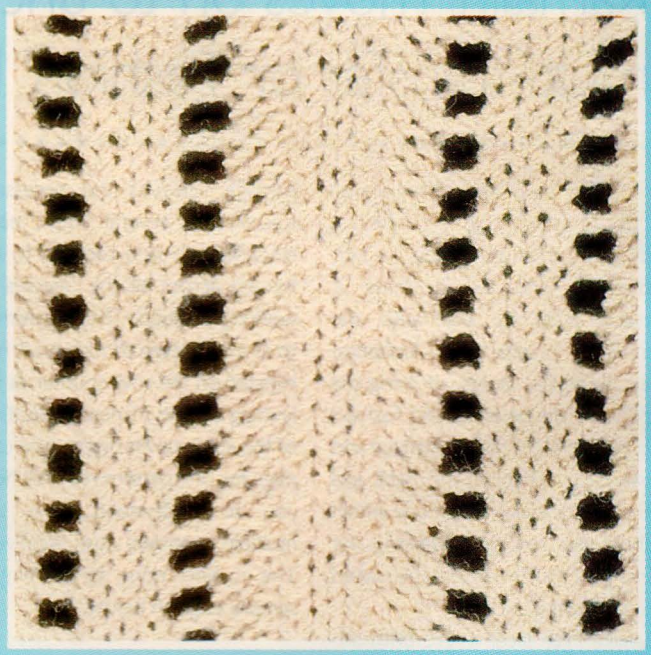
6 transfer rows at P
2 knit rows at O
The above sequence forms one repeat of the pattern.

Sample 2

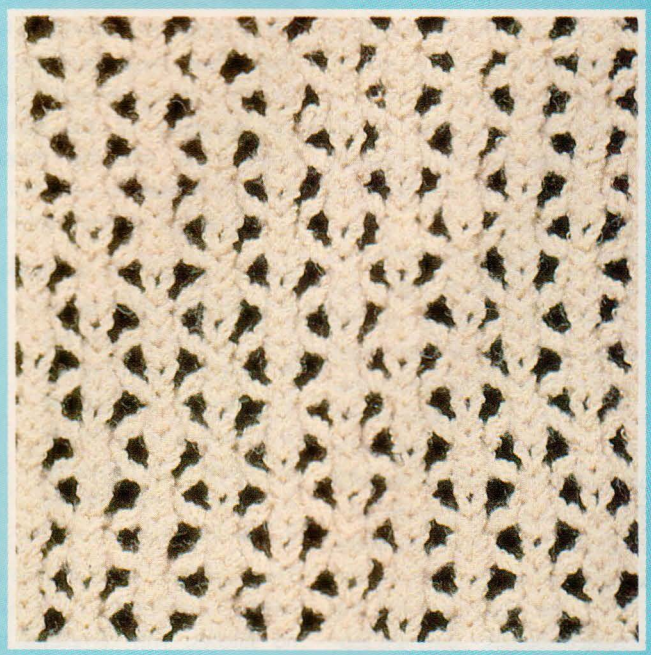


Pattern repeat — 12 sts and 2 rows.

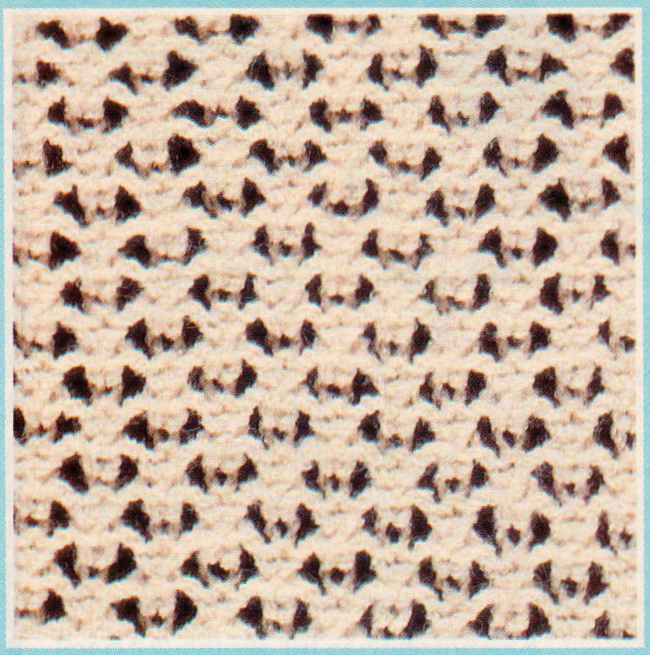
Sample 1



Sample 2

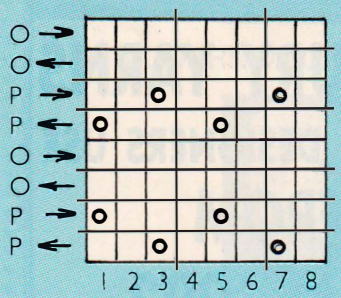


Sample 3 Faggot mesh



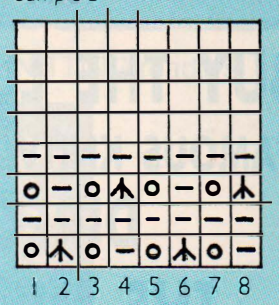
Sample 3 Purl side

Pattern Card for Sample 3.

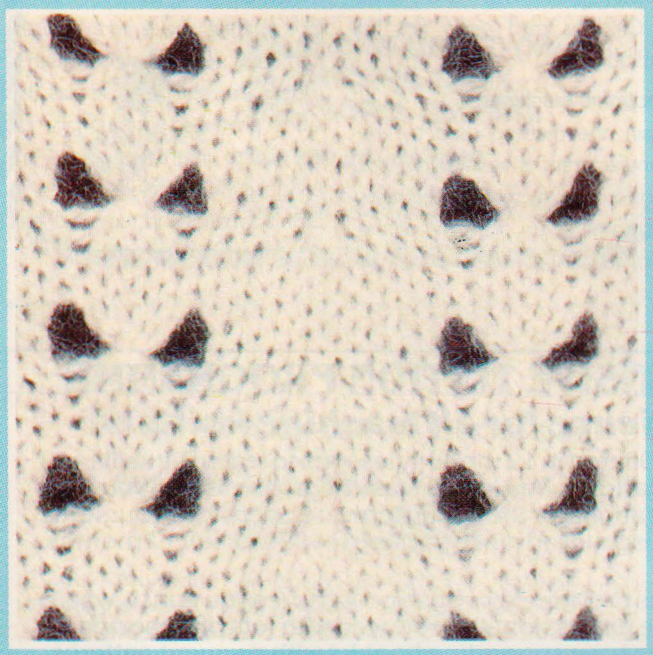


2 transfer rows at P
2 knit rows at O
2 transfer rows at P
2 knit rows at O
The above sequence forms one repeat of the pattern.

Sample 3



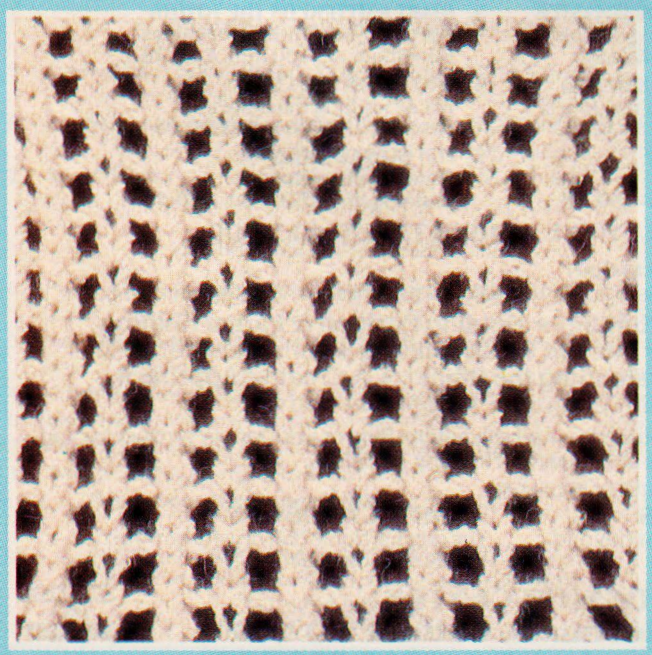
Pattern repeat — 4 sts and 4 rows.



Sample 4

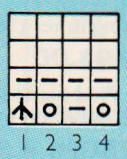
STANDARD NOTATIONS

- = Purl stitch.
- = Hole (increase).
- = Stitch transferred to the right on a needle with a stitch. (i.e. 2 sts together on the right of the increase).
- = Stitch transferred to the left on a needle with a stitch. (i.e. 2 sts together on the left of the increase).
- = Stitch transferred to an empty needle on the right.
- = Stitch transferred to an empty needle on the left.
- = Three stitches on a needle.



Sample 5 Quiz sample Square mesh

Sample 5
Quiz Pattern Chart



Pattern repeat — 4 sts and 2 rows.

THIS MONTH'S TEST

Look at sample 5 and Chart 5. The square mesh has a crocheted look and is a useful design to mix with other intricate lace patterns. Have a go at marking out a pattern card for this sample – you'll find the correct answer on page 58.

42 ▶

cam lever set to P (⩚) in order to know when the end of the transfer sequence occurs so that the cam lever can be changed to 0 to knit. You may devise your own way or follow the standard methods below:

Punchcard machines:

The method used by Silver Reed and Knitmaster is to highlight the transfer rows in red on the punchcard. The direction in which the carriage moves on each row is indicated by arrows on the left. The same method can be adopted to mark your own cards. Marking the carriage direction on each row, however, is not necessary as the initial direction will automatically determine the subsequent ones.

For patterns which have a simple repeat (e.g. 8 rows at P and 6 rows at O), the card need not be marked at all.

Electronic machines:

Again, the method used by the manufacturers is to highlight the transfer rows by marking the rows in column A on the right of the sprocket holes. The direction of the carriage, as on the punchcards, is marked row by row in column B. A buzzer to indicate the change from P to 0 can be marked in the buzzer column to speed up the knitting.

DOs and DON'Ts FOR FASHION LACE

Do remove yarn from the feeder before moving the cam lever to P (⩚).

Do replace yarn in the feeder before changing the cam lever to 0. It helps to establish a sequence and stick to it.

Electronic machines always have the left hand light on Pattern switches 1 and 2 on the pattern panel.

When designing cards for Fashion lace knitting, make sure that the right and left transfers within a repeat are equal to avoid bias. Bias fabric produced intentionally can be put to interesting uses – e.g. collars, cuffs and bands.

Don't forget to include the 'knit' rows on the pattern card.

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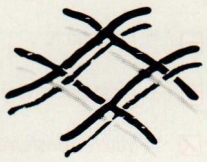

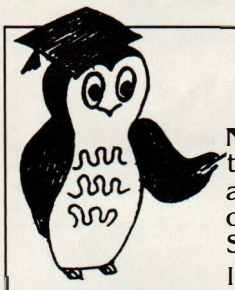

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BARCLAYCARD VISA VISA

Wavy blocks sweater

The rich colour combination and luxury of mohair make this striking block pattern sweater a versatile top to mix with your classic black accessories. Mohair adds that stylish look for all occasions.

FOR 9 mm CHUNKY MACHINES WITH INTARSIA FACILITY

If you don't have a ribber, work in mock rib as page 63.

SIZES

To fit bust 87 (92, 97) cm, 34 (36, 38) in.
Actual size 105 (110, 115) cm, 41¼ (43¼, 45) in.
Length to back shoulder 69.5 cm (27½) in.
Sleeve seam 43.5 (45, 47) cm, 17 (17¾, 18½) in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Tivoli Mirage Mohair.
MC (Black) – 7 (7, 8) × 50 grm balls.
C (Rust) – 4 × 50 grm balls.
Pair of 4½ mm knitting needles.
Set of 4½ mm double pointed knitting needles.

GARMENT WEIGHT

Finished garment in first size weighs 435 g.
The fibre content of this yarn is 78% mohair, 13% wool, 9% nylon.

TENSION

Intarsia – 16 stitches and 22 rows to 10 cm. TD at approx 5 (MT).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

Intarsia – see charts.
Always twist yarns together when changing colours in intarsia to prevent a hole forming. We've used ribs knitted by hand, if your ribber will knit mohair it can be worked on machine.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Tivoli Spinners Ltd., Unit 3, New Street Industrial Estate, Bridgetown, Cannock, Staffs WS11 3DD.

BACK

Using 4½ mm needles and MC, cast on 84 (88, 92) sts and work 5 cm, 2 in in K 1, P 1 rib. Push 84 (88, 92) Ns at centre to WP. With carriage at right, transfer sts to machine needles. Set RC at 000. Using MT, cont in intarsia patt from chart 1, K 84 rows. Work measures 43 cm, 17 in. Place marker at each end *. K 58 rows. RC shows 142 and work measures 69.5 cm, 27½ in.

Shape Shoulders

Cont in colours as set, cast off 9 (10, 11) sts at beg of next 4 rows and 10 sts at beg of foll 2 rows. Using WY, K a few rows in st st over rem 28 sts and release from machine.

FRONT

Work as for back to *.

Shape Neck

Push 42 (44, 46) Ns at left to HP and cont on rem sts for first side. Dec 1 st at neck edge of next and every foll 4th row until 28 (30, 32) sts rem. K 5 rows.

Shape Shoulder

Cont in colours as set, cast off 9 (10, 11) sts at beg of next and foll alt row, K 1 row. Cast off rem 10 sts. With carriage at left, push rem Ns from HP to UWP. Finish to correspond with first side, reversing shapings.

SLEEVES

Push 40 Ns at centre to WP. Using MT and WY, cast on and K a few rows ending with carriage at left. Using MC, K 1 row. Set RC at 000. Cont in intarsia patt from chart 2, K 4 rows. Shape sides by inc 1 st at each end of next and every foll 4th row until there are 80 sts. K 3 (7, 11) rows. RC shows 84 (88, 92) and work measures 38.5 (40, 42) cm, 15¼ (15¾, 16½) in. Cast off.

CUFFS

With P side facing and using 4½ mm needles, pick up 40 sts along lower edge of sleeve. With K side facing and using MC, K 1 row, dec 4 sts evenly. 36 sts. Work 5 cm, 2 in in K 1, P 1 rib. Cast off in rib.

NECKBAND

Join shoulder seams. With K side facing and using set of 4½ mm needles, join in MC and pick up and K 45 sts up right side of front neck, 28 sts across back neck and 45 sts down left side of front neck. 118 sts. Turn. Work 5 cm, 2 in in K 1, P 1 rib. Cast off in rib.

MAKING UP

Set in sleeves between markers, stretching slightly. Join side and sleeve seams. Lap right end of neckband over left and catch down. Brush lightly to raise pile on mohair.

pattern 6

pattern 6

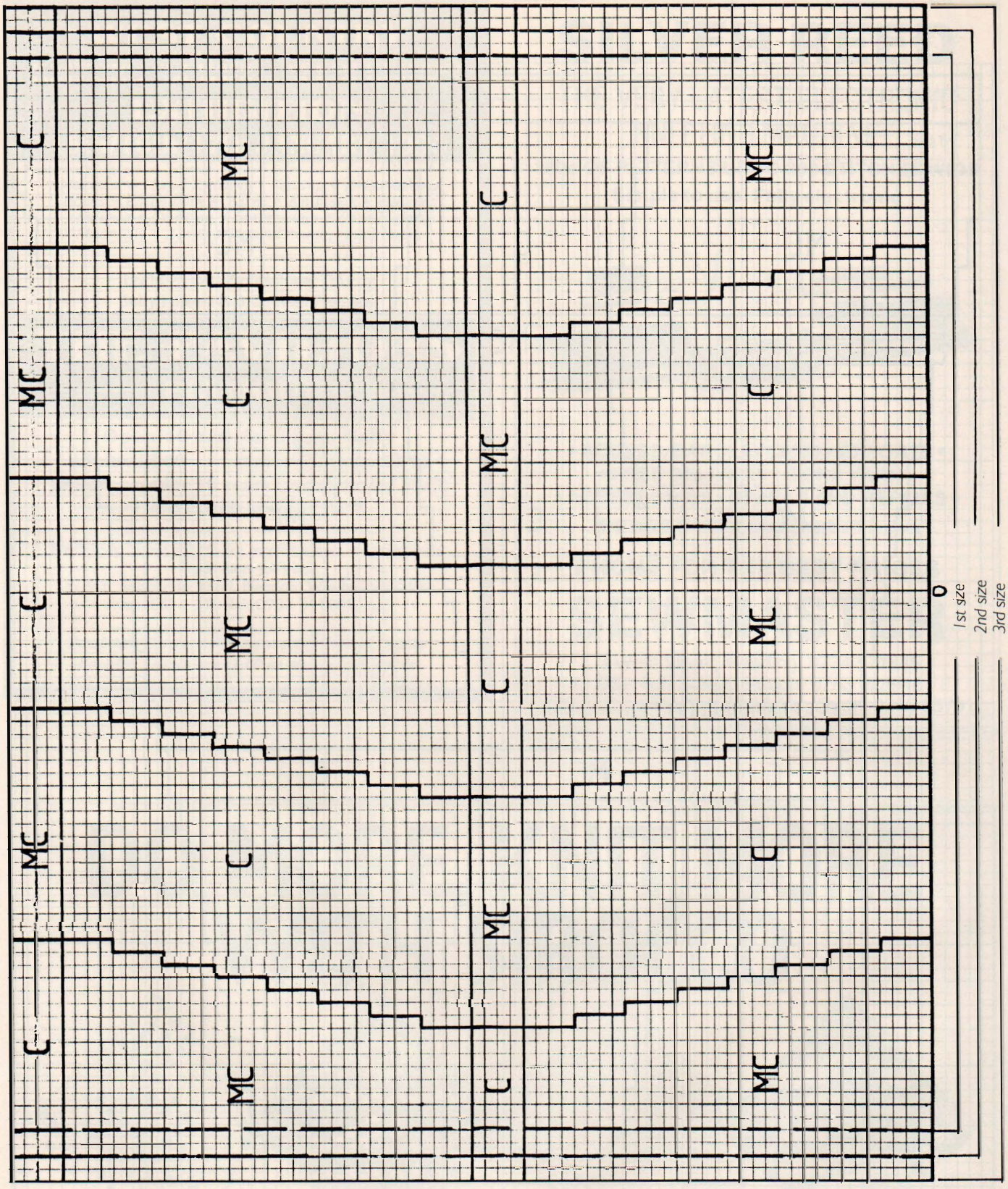
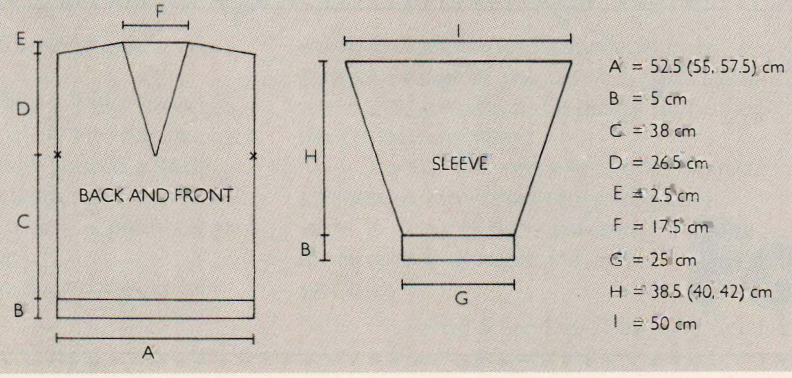


Chart 1



A = 52.5 (55, 57.5) cm
B = 5 cm
C = 38 cm
D = 26.5 cm
E = 2.5 cm
F = 17.5 cm
G = 25 cm
H = 38.5 (40, 42) cm
I = 50 cm

Leggings, French Connection; Shirt, Hyper Hyper; Bangles, Fenwick

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pattern 6

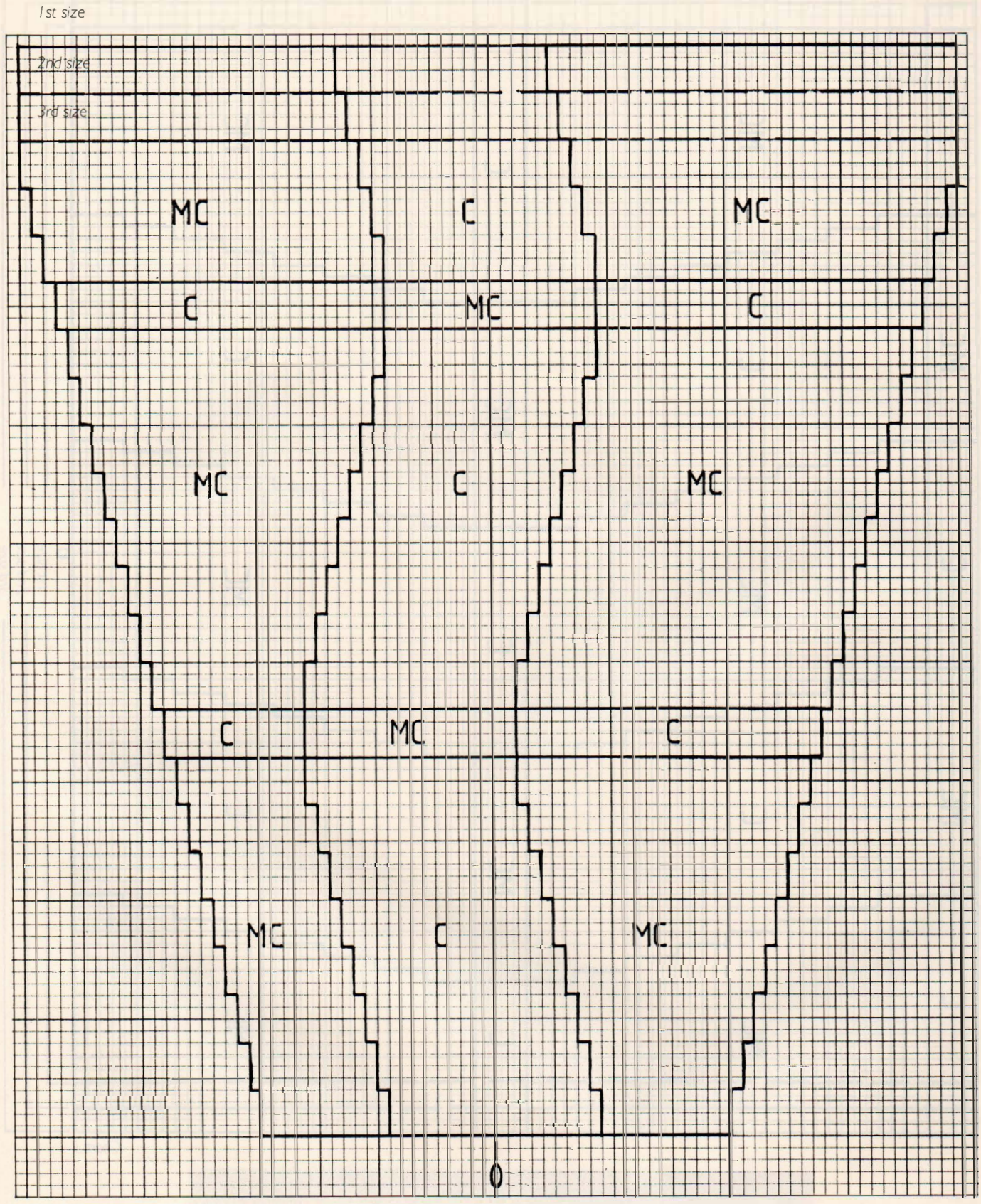

Chart 2

Child's lace border cardigan

The children will be looking forward to Christmas party invitations and the chance to dress up in their best gear. Here's a pretty cardigan for the girls to wear over a dress or with a blouse and skirt.

BACK

With carriage at right, push 83 (91, 99, 107, 115) Ns on each bed at centre to WP. * Arrange Ns for 1×1 rib. Using WY, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1×1 rib knitting. Set RC at 000. Using MT–3/MT–3, K 24 rows. Transfer sts for st st *. Set RC at 000. Using MT, K 3 rows. Insert punchcard and lock on first row. Set carriage for patt. K 1 row. Release card and cont in lace patt. K 26 rows. Remove card. Cont in st st. K 18 (26, 34, 42, 48) rows. RC shows 48 (56, 64, 72, 78) and work measures 17 (19, 21, 23, 25) cm, 6¾ (7½, 8¼, 9, 9¾) in. Place a marker at each end. K 50 (54, 58, 62, 66) rows. RC shows 98 (110, 122, 134, 144) and work measures 30 (33, 36, 39, 42) cm, 11¾ (13, 14¼, 15¼, 16½) in.

Shape Shoulders

Cast off 13 (15, 16, 18, 19) sts at beg of next 2 rows and 13 (14, 16, 17, 19) sts at beg of foll 2 rows. Cast off rem 31 (33, 35, 37, 39) sts.

RIGHT FRONT

With carriage at right, push 21 Ns at left and 17 (21, 25, 29, 33) Ns at right of centre 0 to WP. 38 (42, 46, 50, 54) Ns. Work as for back from * to *. ** Set RC at 000. Using MT, K 3 rows. Insert punchcard and lock on first row. Set carriage for patt. K 1 row. Release card and cont in lace patt. K 26 rows. Remove card. Cont in st st. K 18 (26, 34, 42, 48) rows. RC shows 48 (56, 64, 72, 78) and work measures 17 (19, 21, 23, 25) cm, 6¾ (7½, 8¼, 9, 9¾) in. Place a marker at each end.

Shape Front Edge

Dec 1 st at left edge (right edge on left front) on next and every foll 4th row until 26 (29, 32, 35, 38) sts rem. K 5 rows. RC shows 98 (110, 122, 134, 144) and work measures 30 (33, 36, 39, 42) cm, 11¾ (13, 14¼, 15¼, 16½) in. K 1 row extra for left front only.

Shape Shoulder

Cast off 13 (15, 16, 18, 19) sts at beg of next row, K 1 row. Cast off

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FOR STANDARD GAUGE PUNCHCARD MACHINES WITH A LACE CARRIAGE AND A RIBBER

If you don't have a ribber work in mock rib as page 63.

SIZES

To fit chest 51 (56, 61, 66, 71) cm, 20 (22, 24, 26, 28) in.
Actual size 56 (61, 67, 72, 78) cm, 22 (24, 26½, 28¼, 30¾) in.
Length to shoulder 30 (33, 36, 39, 42) cm, 11¾ (13, 14¼, 15¼, 16½) in.
Sleeve seam 24 (26, 30, 34, 38) cm, 9½ (10¼, 11¾, 13½, 15) in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Brockwell Mercerised Cotton 4 × 2/16.
1 (1, 1, 1, 1) × 350 g cone in White (MC).
5 small buttons.

GARMENT WEIGHT

Finished garment in third size weighs 190 g.
The fibre content of this yarn is 100% Cotton.

TENSION

29 stitches and 39 rows to 10 cm, 4 in measured over lace pattern (tension dial approximately 6).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

KNITTING NOTES

We used knit side of knitting as right side of garment.
Punch card, as shown, before starting to knit.
Count Ns in NWP as sts throughout.
This card is suitable for Brother machines. For other models we suggest you substitute a similar lace pattern specially recommended for your machine.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
S. & J. Andrews (WY) Ltd., Stansfield Mill, Triangle, Sowerby Bridge, West Yorkshire HX6 3LZ.

pattern 7

pattern 7

rem 13 (14, 16, 17, 19) sts **.

LEFT FRONT

With carriage at right, push 16 (20, 24, 28, 32) Ns at left and 22 Ns at right of centre 0 to WP. 38 (42, 46, 50, 54) Ns. Work as for back from * to *. Work as for right front from ** to ** reversing shapings by noting alteration in number of rows worked.

SLEEVES

With carriage at right, push 57 (59, 61, 63, 65) Ns on each bed at centre to WP. Work as for back from * to *. Set RC at 000. Using MT, K 3 rows. Insert punchcard and lock on first row. Set carriage for patt. K 1 row. Release card and cont in lace patt. Shape sides by inc 1 st at each end of next and every foll 8th (7th, 7th, 7th, 7th) row until there are 65 (67, 69, 71, 73) sts. K 1 (4, 4, 4, 4) rows. Remove card. Cont in st st. Cont to inc on every 8th (7th, 7th, 7th, 7th) row from previous inc until there are 75 (81, 87, 93, 99) sts. K 6 (8, 10, 12, 12) rows. RC shows 75 (83, 99, 115, 129) and work measures 24 (26, 30, 34, 38) cm, 9½ (10¼, 11¾, 13½, 15) in. Cast off.

BUTTONHOLE BAND

Join shoulder seams. With carriage at right, push 109 (121, 131, 141, 151) Ns on each bed at centre to WP. Arrange Ns for 1 × 1 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT–3/MT–3, K 7 rows. Counting from left edge, make 5 buttonholes by transferring the 5th (6th, 5th, 6th, 5th), 16th (18th, 19th, 21st, 22nd), 27th (30th, 33rd, 36th, 39th), 38th (42nd, 47th, 51st, 56th) and 49th (54th, 61st, 66th, 73rd) st on to adjacent N. Leave empty Ns in WP. K 7 rows. Transfer sts for st st. K 1 row. With P side facing, pick up sts along front edge and half of back neck and place on to Ns. Using MT, K 1 row. Cast off.

BUTTON BAND

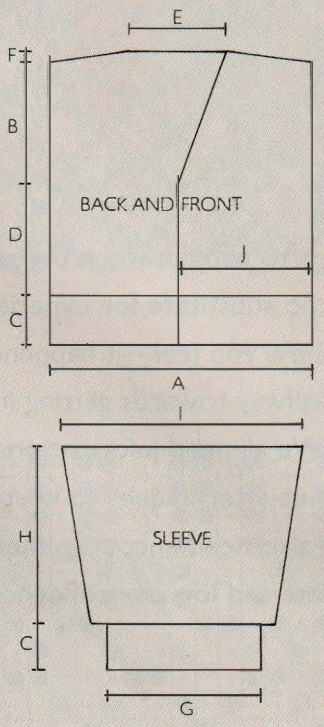
Work as for buttonhole band omitting buttonholes.

PRESSING

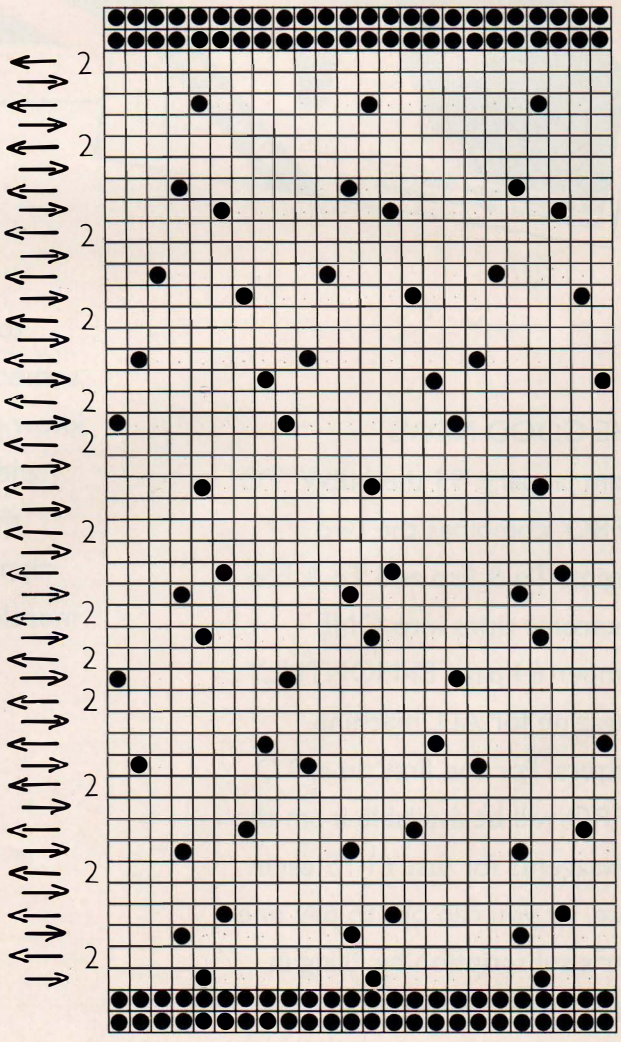
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

Set in sleeves between markers. Join side, sleeve and centre back band seam. Sew on buttons.



A = 28.5 (31, 34, 36.5, 39.5) cm
B = 13 (14, 15, 16, 17) cm
C = 5 cm
D = 12 (14, 16, 18, 20) cm
E = 10.5 (11, 12, 12.5, 13) cm
F = 1 cm
G = 19.5 (20, 21, 21.5, 22) cm
H = 19 (21, 25, 29, 33) cm
I = 26 (28, 30, 32, 34) cm
J = 13 (14, 15.5, 17, 18.5) cm



Punchcard chart

New on the bookstalls

Good things start to happen when the right people get together. There is no substitute for experience and when someone says 'I know how you feel—it happened to me', you know you are already halfway towards getting it all sorted out and in perspective. We all need information, patterns, new things to learn and new techniques to keep our machines zipping away, but we also need encouragement, a lift to our morale from time to time and lots of confidence boosting . . .

THE GOOD NEWS

From January '93 the NEW 'TO & FRO' combines the two original To & Fro and To & Fro Electronic titles into ONE bumper 64 page BI-MONTHLY magazine for ALL machine knitters. For the first time, TO & FRO will be available from the newsagents for just £1.75 each issue, or you can opt to pay one year's subscription by filling in the coupon opposite.

It's bound to be a sell-out so order a copy from your newsagent NOW!

TO&FRO

Hazel Ratcliffe is the new Editor of TO & FRO and she will be introducing several new faces—she tells you more about their individual talents on the following page. Regular To & Fro readers will continue to find all the familiar names in the new magazine. Here are just some of the experts you have come to know so well—they too, will be joining Hazel's team . . .

NEW BI-MONTHLY MAGAZINE

PLUS

All the regular To & Fro contributors including our *new* members who we introduce overleaf

PAT COULSTON

Relax and enjoy the pleasures of machine knitting in Pat's friendly and informal articles which cover a variety of tips and techniques. Pat shares her own knitting experiences and problems in a manner which will make you really feel at home.

DIANE BENNETT

Diane's expertise on the Brother electronics has rapidly expanded with the introduction of each new model and To & Fro readers have already benefited from her invaluable teaching skills through articles, tuition tapes and courses. Diane will continue to pass on her knitting 'know-how' for all levels of experience, offering others the chance to build upon their skills.

MARY DOWSE

In her articles, Mary deals with the challenge of larger sizes and proves that 'Big is Beautiful'! Her design ideas for 'Big' knitwear are both innovative and inspirational with plenty of tips for making the most of the fuller figure in a fashionable and stylish manner.

ANGELA GORDON

Machine knitting tuition is one area in which Angela's talents excel—she caters for all levels of experience on a variety of machines and accessories. Her articles cover techniques and skills with plenty of hints and tips on how to achieve perfect results.

AUDREY PALMER

Regular To & Fro readers learn more about professional knitwear when they do it 'The Palmer Way'. Audrey's articles illustrate the 'right way' to produce a beautiful piece of knitting and she'll include all the technical information required to achieve a professional finish.

SUSANNA LEWIS

With her 'Creative Fabrics', Susanna shows us just some of the exciting results which can be achieved with a bit of experimentation. Her inspiration and step by step instruction bring a whole host of unusual techniques within our grasp.

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THE NEW MEMBERS OF THE TO&FRO TEAM

DORIS COUTTS

Pockets or pleats, collars or cut and sew, lace or ribbing, buttonholes or bands — they are all part of Doris's extensive repertoire and she always has the knack of making them sound easy at the same time as helping you to try the technique for yourself.

Whilst she continues to maintain her interest in punchcard knitting, Doris has also become an expert on the electronics too, especially the 950i (do I hear cheers??). Doris will start with a series on the 950i but she will also be pleased to answer letters via the editorial office and we will include a selection of them, together with Doris's replies, on our readers pages so that everyone can benefit from her vast knowledge.

There are some extremely advanced knitters around these days and we are anxious to keep them supplied with new and interesting ideas, but we are also very aware of the fact that new knitters are coming along all the time and we want to nurture them and encourage them to develop and progress at their own speed. So, whether your questions seem trivial or vastly complicated, never hesitate to ask us — we are small enough to care and large enough to cope. Any letters to Doris should be addressed to her at the editorial office of *To & Fro*.

JOAN GODFREY

Joan has had a knitting machine almost as long as I have been alive, so what more can I say? Joan has three knitting clubs which keep her in contact with all machine knitters and all makes of machine. Her special place on *To & Fro* will be on the end of the telephone and she does not mind what time you call. It is cheaper early in the morning and later at night and this is fine with Joan. She will not be using one of those horrible answering machines — it is a case of if she isn't in when you call, try again later, that way it won't cost you money just to hear a machine speak.

Your call doesn't have to be about a problem — if you have done something that you are pleased about and you need someone to give you a boost, Joan will be glad to hear from you. By the same token, if you need to have a moan and bend an ear, then that is OK too! Joan's phone is now in operation and her number is 0323 27074. If you call and she is out (the fashion show is tonight and the knitting has all dropped off . . .) then ring the office number instead. As with Doris's letters, any 'phone calls that are worth sharing will be published in the magazine. Joan's motto is 'If I don't know I will find out for you' . . . and she always does.

GRACE HAYWARD

Saying 'Grace Hayward' to most Passap knitters is like saying 'Barbara Woodhouse' to dog owners. I have this theory that if Grace whistled to her Passaps they would follow her out of the house and anywhere she chose to take them. Because Passap machines are not as easily transportable to clubs and classes as the Japanese machines, they tend to get left out a bit but we will be making sure (via Grace and others) that this never happens with *To & Fro* readers. There will ALWAYS be something for the Passap (and that includes Pfaff) knitters and Grace will be on hand to answer questions and deal with any problems that might arise.

I am told by Grace that there are no problems with the Passap, only challenges and that is the attitude we must take — not just reading about it or talking about it but getting on with it — that is just what Grace's patterns and articles will help you to do. I recently received a 'phone call from a friend who said that if I would care to drive over straight away and stand below her bedroom window I would be just in time to see her E6000 come flying out of the window! Don't we all know the feeling — but if there is help at the end of a 'phone line, or for the sake of a postage stamp, things can never really be that bad! The only awkward thing about Grace is that she makes all non-Passap owners wish they had a Passap too . . . ah well, Christmas is coming . . .

KATHLEEN KINDER

I am not going to embarrass Kathleen by stating the year when she and I first met to talk about machine knitting but it is a long time and many models of knitting machines ago. I can remember when we gazed in amazement at the first punchcard machines and thought they were the ultimate in modern machine knitting technology — little did we guess and how wrong could we be! Every day it seems there is something new, with the fastest growing area in machine knitting being in the field, or should I say 'jungle', of computers. 'Which one for my machine and what will it do?' Even more important, 'How do I do it?' Kathleen has many machines and many books under her belt relating to those machines, so if anyone can steer us in the right direction Kathleen can and that is where she will start on the pages of *To & Fro*.

Once again, letters will be welcome and they will be shared with readers if we think they will be helpful. Kathleen is convinced that if we understand what we are doing we are much more likely to make a success of it and I am sure she is right. The manuals, like most instruction books, are ambiguous to say the least, but if someone who 'knows' is able to translate the information into easy language, we are soon encouraged enough to continue and keep trying until we really know what we are doing.

So, if you already have a computer or if you are interested to find out more about the ones you could be using on your machine, just watch Kathleen's space and you will learn a great deal, we promise.

ANDY LEVICK

It is hard to believe that Andy lives on the Isle of Wight, cut off from us by a stretch of water, because she always knows about and has read any new books long before I have even got wind of them being published. Andy's motto is: 'If a book is worth reading, it is worth buying' and I agree with that.

However books and especially 'good' books, are often expensive so an unbiased resumé can prove to be very helpful, particularly to those who live in isolated situations where it is difficult to get out to the book shops.

There are so many books on the market today — some are worth every penny and others may appeal to some yet be of no use to others — so a good review is invaluable. If you have read or come across any books that you have found useful to you and your knitting, please drop us a line and tell us about them. It doesn't matter if they have been around for ages as we might have missed them. It is not always machine knitting books that are the most valuable to us — we can take design inspiration from all kinds of sources and the odd 'quick and easy' cookbook or 'how to avoid the housework' titles can also be of interest from time to time.

Andy is a Passap and Japanese knitter and when she is not busy supervising the yachting club or rescuing her very naughty Siamese cat from some predicament she can be found reading, knitting or at one of the island's numerous and active knitting clubs (usually with Doris Coutts). When books are scarce, Andy will ferret out something of interest for us, but whatever it is you can be sure that before she talks about it she will have read it, done it or test driven it!

STEVE WYER

'Do I need to register my business?; what labels should I sew in my knitwear if I sell it?; what are the rules governing the running of a club?' . . . these are just a few of the readers' questions that Steve, our resident solicitor, is available to answer — and, of course, any others you might have for him.

Steve will become a regular contributor to *To & Fro* and he will keep us well within the right side of the law, so if you have any legal queries please write to Steve care of the *To & Fro* editorial office.

Now get out your last couple of To & Fro magazines and add these names to all the existing contributors whom you know well - we think you'll agree that it is quite 'A' team. Keep writing and keep in touch.

Hazel (Editor)

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Man's Fair Isle border sweater

Take a plain black sweater and create a dramatic pattern effect by adding contrast Fair Isle borders with a touch of cream and rust. Select one of the borders and repeat it on the sleeves.

BACK

With carriage at right, push 146 (170, 194) Ns on each bed at centre to WP. Arrange Ns for 1 × 1 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT–6/MT–6, K 32 rows. Transfer sts for st st. Insert punchcard 1 and lock on first row. Take carriage across twice without knitting. Set RC at 000. Using MT + 1, release card and cont in Fair Isle with A in feeder 1/A and MC in feeder 2/B, K 32 rows. Remove card. Insert punchcard 2 and lock on first row. Cont in st st and MC, K 2 rows. Release card and cont in Fair Isle with A in feeder 1/A and B in feeder 2/B, K 24 rows. Remove card. Insert punchcard 3 and lock on first row. Cont in st st and MC, K 2 rows. Release card and cont in Fair Isle with MC in feeder 1/A and B in feeder 2/B, K 26 rows. Remove card. Cont in st st and MC *. Using MT, K 122 (128, 136) rows.

Shape Neck

Push 89 (103, 118) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 5 sts at beg of next and foll alt row. 47 (57, 66) sts. K 4 rows. Cast off. With carriage at right, push 32 (36, 42) Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

FRONT

Work as for back to *. Using MT, K 98 (104, 112) rows.

Shape Neck

Push 83 (97, 112) Ns at left to HP and cont on rem sts for first side. K 1 row. Cast off 4 sts at beg of next and foll alt row, K 1 row. Dec 1 st at neck edge of next and every foll alt row until 47 (57, 66) sts rem. K 12 rows. Cast off. With carriage at right, push 20 (24, 30) Ns at right from HP to UWP. Using WY, K a few rows and release from machine. With carriage at left, push rem Ns from HP to UWP and finish to correspond with first side, reversing shapings.

SLEEVES

With carriage at right, push 82 (86, 92) Ns on main bed at centre to

pattern 8

FOR STANDARD GAUGE PUNCHCARD MACHINES WITH A RIBBER

If you don't have a ribber work in mock rib as page 63.

SIZES

To fit chest 96-101 (106-111, 117-112) cm, 38-40 (42-44, 44-46) in.
Actual size 106 (124, 142) cm, 41¾ (48¾, 56) in.
Length to shoulder 68 (70, 72) cm, 26¾ (27½, 28¼) in.
Sleeve seam 49 (51, 53) cm, 19¼ (20, 21) in.

Instructions are written for the first size, larger sizes follow in brackets. If only one figure is given, it applies to all sizes.

MATERIALS

Yeoman Cashmilon 4-ply.
1 (1, 1) × 500 g cone in Black (MC).
1 (1, 1) × 500 g cone in Aran (A).
1 (1, 1) × 500 g cone in Rust (B).

GARMENT WEIGHT

Finished garment in second size weighs 390 g.
The fibre content of this yarn is 100% Acrylic.

TENSION

27 stitches and 36 rows to 10 cm, 4 in measured over stocking stitch (tension dial approximately 7).
27 stitches and 34 rows to 10 cm, 4 in measured over Fair Isle pattern 1 on MT + 1 (tension dial approximately 8).
For perfect results, please check your tension carefully.

ABBREVIATIONS

See page 63.

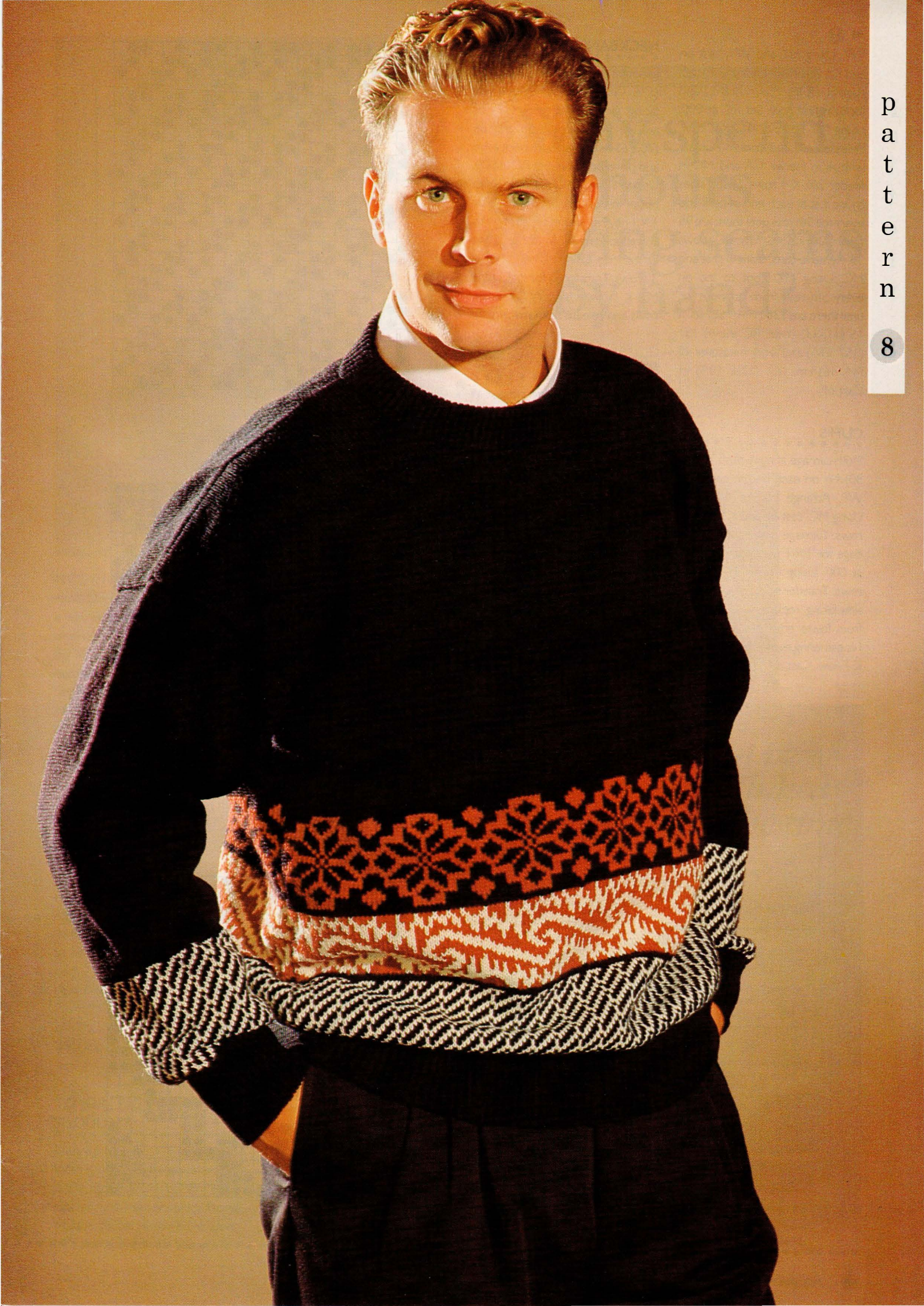
KNITTING NOTES

We used knit side of knitting as right side of garment.
Punch cards, as shown, before starting to knit.

If you have any difficulty locating this yarn, please write to the address below for local stockists and mail order information. Please quote this issue of *Modern Machine Knitting*.
Yeoman Yarns, 36 Churchill Way, Fleckney, Leicestershire LE8 0UD.

Shirt, *Freemans*; Trousers, *River Island*

56 ▶



pattern 8

pattern 8

WP. Using MT and WY, cast on and K a few rows ending with carriage at left. Insert punchcard 1 and lock on first row. Set RC at 000. Using MT + 1 and MC, K 1 row. Release card and cont in Fair Isle with A in feeder 1/A and MC in feeder 2/B. K 4 rows. Shape sides by inc 1 st at each end of next and every foll 5th row until there are 96 (100, 106) sts. K 1 row. RC shows 37. Remove card. Cont in st st and MC. Using MT, cont to inc on every 5th row from previous inc until there are 136 (144, 152) sts. K 15 (11, 14) rows. RC shows 151 (157, 165) and work measures 42 (44, 46) cm, 16½ (17¼, 18¼) in. Cast off.

CUFFS

With carriage at right, push 70 (74, 80) Ns on each bed at centre to WP. Arrange Ns for 1 × 1 rib. Using MC, cast on and K 5 tubular rows. Carriage is at right. Set carriage for 1 × 1 rib knitting. Set RC at 000. Using MT–6/MT–6, K 32 rows. Transfer sts for st st. With P side facing, replace 82 (86, 92) sts from lower edge of sleeve on to Ns gathering evenly. Using MT + 3, K 1 row. Cast off.

NECKBAND

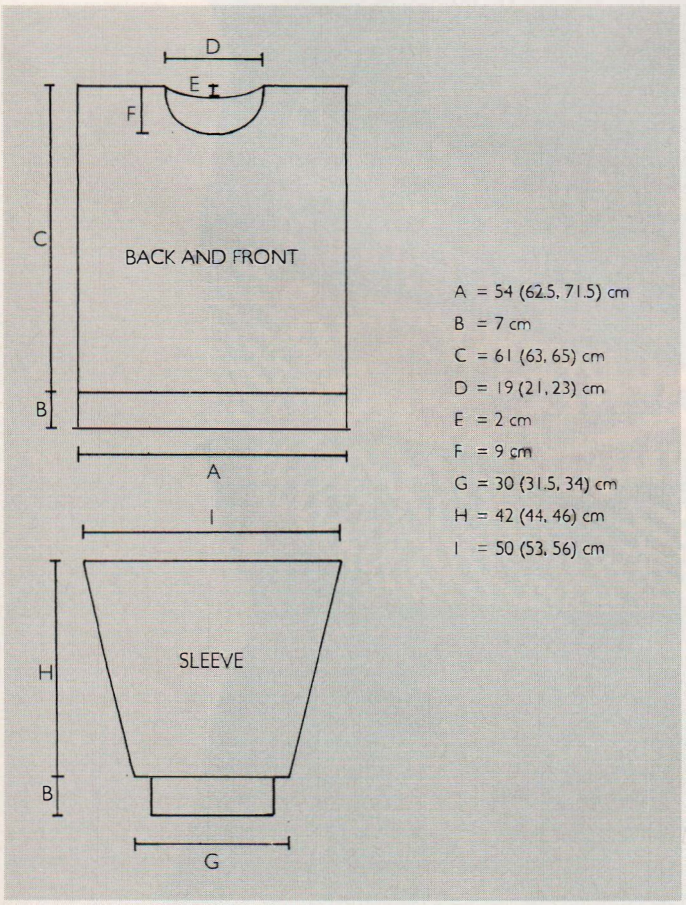
Join right shoulder seam. Push 168 (176, 188) Ns to WP. With K side facing, pick up 102 (106, 112) sts around front neck edge and 66 (70, 76) sts around back neck edge and place on to Ns. Set RC at 000. Using MT and MC, K 1 row. With ribber in position, set machine for 1 × 1 rib. Transfer every alt st on to corresponding N on ribber. Cont in 1 × 1 rib. Using MT–6/MT–6, K 30 rows. Transfer sts for st st. Using MT, K 1 row. Using WY, K a few rows and release from machine.

PRESSING

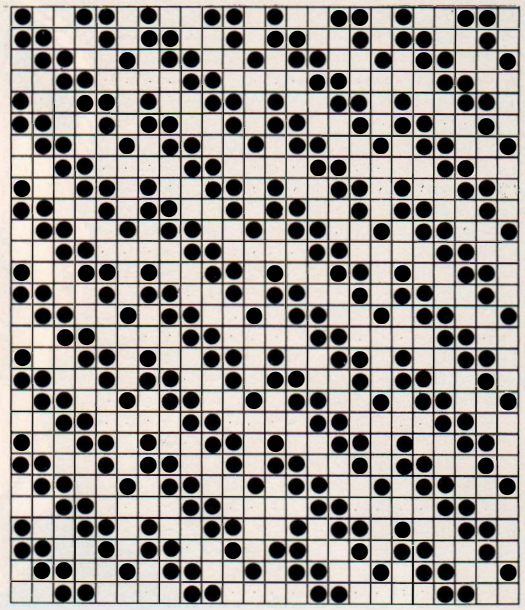
With wrong side facing, pin out all pieces to measurements given. Press carefully following instructions on cone band.

MAKING UP

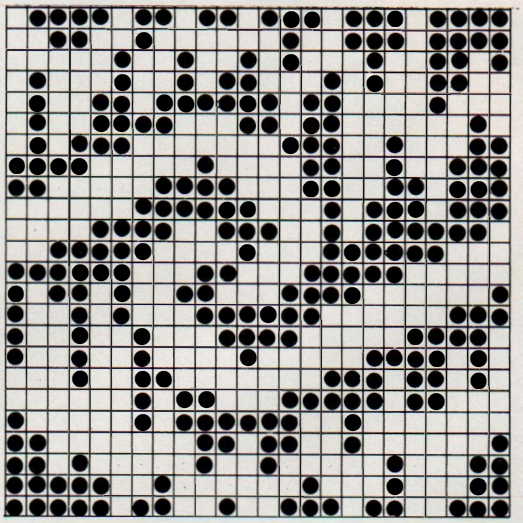
Join left shoulder and neckband seam. Set in sleeves matching centre to shoulder seams. Join side and sleeve seams. Fold neckband in half to right side and pin in position. Unravelling WY as required, backstitch through open loops of last row worked in MC.



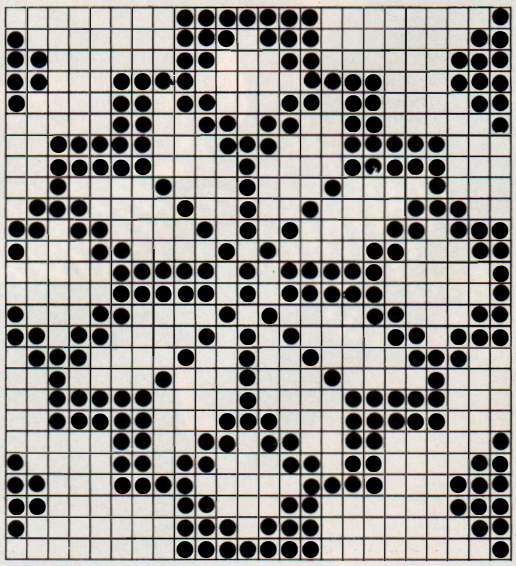
A = 54 (62.5, 71.5) cm
B = 7 cm
C = 61 (63, 65) cm
D = 19 (21, 23) cm
E = 2 cm
F = 9 cm
G = 30 (31.5, 34) cm
H = 42 (44, 46) cm
I = 50 (53, 56) cm



Punchcard 1



Punchcard 2



Punchcard 3

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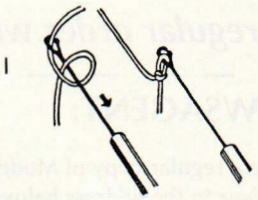
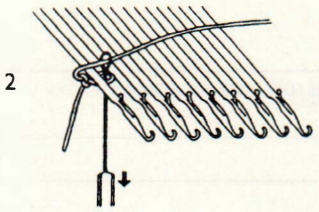
CHAIN STITCH CAST ON – USING THE LATCH TOOL

A Chain Stitch Cast On gives a lovely neat edge, which is ideal when the cast on edge is going to be seen on the right side of your knitting.

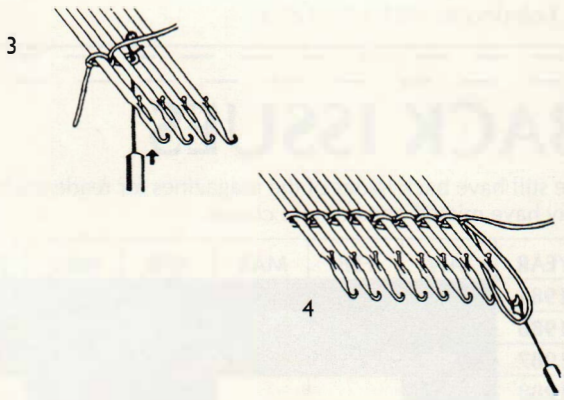


1. Make a stitch in the main yarn using the Latch Tool as shown.



2. Push the required number of needles to Holding Position. Starting at the left edge, insert the Latch Tool between the first two needles. With the original stitch behind the latch of the Latch Tool, pull the yarn through the stitch to form a new stitch.

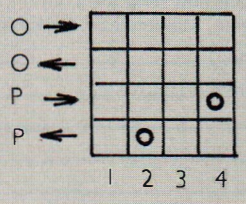
3. Insert the Latch Tool between the 2nd and 3rd needles and repeat the same procedure as in step 2. Continue in the same way until all the needles have a chain stitch on them.



4. Hook the final stitch on to the last needle as shown. Close the latches of the needles. With the carriage at the right, thread the yarn into the feeder and set the carriage to knit needles in Holding Position. Knit one row.

QUIZ PATTERN CHART SOLUTION

2 transfer rows at P
2 knit rows at O



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BROTHER 881, automatic punchcard, built-in knitleader, lace carriage, manual, punchcards, punch table, wool winder, £250 ono. Step by step charting design course, £25. Tel: (0264) 354815 (Andover).

BROTHER 260 Chunky and ribber, books, punchcards, £450: Brother 881, built-in knitleader, punchcards, tools, £245. Illness forces sale. Tel: (0202) 301927 (Bournemouth).

KNITMASTER 326, knit radar, punch, punchcards, SRP50 ribber plus punchcards, extra yarn break table if required. Excellent condition, £350 or nearest offer. Tel: (0452) 522431 (Gloucester).

PASSAP Duomatic, 4 colour changer, Deco, punch, forma, patterns, as new (used twice), £400 o.n.o. Tel: (0732) 849217 (Maidstone) evenings.

BROTHER KH 260 Chunky punchcard machine and ribber, table and pattern books. 3 years old, hardly used, £400. Will separate. Tel: 051-727 4894 (Liverpool).

SINGER Hi-memory KE 1200 working. Complete with lace carriages, weaving brushes, instruction and pattern books, punchcards (no weights). Buyer collects, £50. Tel: 081-300 6903 (Orpington).

BROTHER 910 electronic with ribber. lace carriage, 4 colour and 2 colour changer, mylar sheets, table, £470. Tel: (0532) 608780 (Leeds).

BROTHER 881 with intarsia carriage and table, lace carriage and card punch, some cards, £200. Wanted intarsia carriage for KH260. Tel: (0722) 329128 (Salisbury).

POWER-KNIT, little used, table, countdown foot control etc, for Chunky or standard gauge machines. Excellent condition and working order. Seen working, £375. Tel: (0703) 740157 (Southampton).

KNITMASTER 326 with built-in radar, plus ribber, punchcards, patterns. colour changer, intarsia carriage, transfer carriage, linker, table. Excellent condition. Bargain, £380 complete set. Tel: (0942) 493067 (Wigan).

BROTHER KH 950 Electronic, £600: KR 85 Ribber, £175; table, £15; wool winder, books and yarn, £15. Hardly used. Whole package, £750. Tel: (0324) 562474 (Larbert).

BROTHER 836 plus ribber, table, wool winder, full instructions cards etc, as new. £350. Tel: (0420) 472509 (Alton).

PINK Passap (double bed) gives effortless ribs and textures. Stand, instructions, tools vgc, £90. Brother 230 Chunky plus ribber, books, table. Mint, splitable, £295. Tel: (0785) 211378 (Stafford).

TOYOTA KS 858, hardly used. Also Toyota KR 505 ribber, still boxed, never used! Plus table, wool winder, patterns, punchcards. All excellent condition, £250 o.n.o. Tel: (0284) 724131 (Bury St Edmunds).

KNITMASTER 580 electronic design controller, lace carriage, knitradar, memory cards, intarsia carriage. linker transfer carriage YC2, SP60 ribber, electric yarn winder, table, weavemaster books. Tel: (0362) 695697 (East Dereham).

KNITMASTER 560 electronic, radar, lace, intarsia, ribber, tuition tapes, magazines and books, 2 bin bags of yarn, table, lamp, ball and cone winders, £500. Tel: 061-652 5708 (Oldham, Lancs).

KNITMASTER Electronic 560, £275 ono. Tel: (0844) 237386 (Aylesbury).

TOYOTA 787 24 stitch punchcard plus lace carriage, knit tracer, ribber, simulknit tilt table, weave master, full instructions and extras, £300 ono. Good working order. Tel: (0959) 573508 (Kent).

KNITMASTER 321, SRP50 ribber, SC1 linker, AG10 intarsia carriage, knitradar, table, de-knit holepunch, wool winder, dozens of books and magazines. Excellent condition, £200 lot. Tel: (0932) 864239 (Cobham, Surrey).

KNITMASTER SRP50 ribber v.g.c., £100: Knitmaster SC3 linker, £25; Knitmaster lace carriage, £50; Brother KL116 Knitleader, £50; Singer ribber KR 13, £100. Will post anywhere. Tel: (0900) 604759 (Carlisle).

BROTHER 836 ribber, lace. intarsia, transfer linker, double colour changer. knitleader. Knitmaster 151 Chunky ribber. yarns, books, punchcards, tables. £900. Would split, injured shoulder. Tel: (0440) 706143 (Nr. Cambridge).

BROTHER Chunky 260 plus ribber, punchcards, manuals, patterns, £425. Tel: 051-639 7166 (Wirral).

BROTHER KH 836 punchcard knitting machine with punch, excellent condition, £180. Also, Brother KH260 Chunky machine with ribber, intarsia carriage, and yarn, good condition, £450. Tel: (0380) 830506 (Westbury, Wilts).

KH 881 Brother knitting machine and ribber, sell together, £380 or ribber only, £95. Machine has lace carriage. In very good condition, hardly been used. Tel: (0606) 43942 (Northwich).

KNITMASTER 360 lace carriage, table winder, four instruction tapes, punchcards, books, A–Z machine knitting, Mary Weaver knitted skirts. Technology and patterns. four manuals. Tel: (0372) 457578 (Bookham).

CLASSIC ribber with extension kit for Bond, instructions, ribber weight, pattern booklet, spare set of keyplates. good condition, £49 including postage and packing. Tel: (0673) 862975 (Lincoln).

KNITMASTER 326 with knit radar. £130. Brother KA 8210 intarsia carriage, £20. Brother knit-leader KL116, £50. KRC-830 colour changer, £50. Brother KH 830, lace, £160. Tel: (0753) 684199 (Slough).

KNITMASTER LC2 lace carriage, as new, £70. Tel: 021-421 7951 (Birmingham).

KNITMASTER SC3 automatic linker, never been used, £30. Tel: (0634) 222183 (Rochester).

PASSAP Duo 80 four colour changer, deco U80, transfer carriage, £550; U70 lock, £50; forma, £95; form computer, £80; hague linker, £125. Tel: (0684) 574402 (Malvern).

KNITMASTER 155 Chunky with ribber. hardly used, £350; intarsia carriage. £65: new Knitradar K7. £75; Keyto passap cabinet and bench, £100. Tel: (0962) 863138 (Winchester).

PFAFF Electronic 6000, as new, complete with white stand and vinyl dust covers, £900. Tel: (0332) 40092 (Derby).

SILVER REED 740 new, with punchcard, £360. Tel: (0273) 464189 (Shoreham, Sussex).

HAGUE electric linker. £150; Toyota 901, ribber, knit tracer, stand, intarsia, punch, punchcards, manuals, books, £300. Tel: (0590) 671010 (Lymington, Hants).

BROTHER 230 Chunky plus ribber, wool and books. Good condition, £200. Tel: 081-942 9679 (New Malden).

HAGUE knitting machine, new condition, £59; electric winder with waxer, £49, cost £79; Minimath linker with stand, £150; Keyto cabinet, £75; Singer 2310, £295. Tel: (0902) 765597 (Wolverhampton).

BERNETTE Overlocker, four thread, differential feed, £320. Passap U100E, £110, both as new. Tel: (0942) 605702 (Wigan).

SINGER Memo II knitting machine with ribber, as new, stand inc, £400 o.n.o. Tel: (0248) 601914 (Bangor).

BROTHER 881 plus ribber, integral knitleader lace carriage, punchcards, instruction books, etc. Excellent condition, £350. Reason for sale gone electronic. Tel: 081-527 6340 (London).

PASSAP Duo 80 Deco form computer, U80 transfer lock, punch, punchcards, various books, patterns etc. move forces sale, £350 o.n.o. Tel: (0703) 778410 (Southampton).

BROTHER KH 950 electronic, still boxed, many extras, books and yarns, £499. Dudley area, West Midlands. Tel: (0384) 72602 (Brierley Hill).

BROTHER Ribber KR 830, £125 plus carriage. Tel: (0705) 385211 (Portsmouth).

BROTHER KH 891 built-in knit leader, lace carriage, intarsia carriage, excellent condition, £250 o.n.o. Gone electronic. Tel: (0233) 861488 (Ashford).

BROTHER Electronic 910, lace carriage, ribber, table, linker, transfer carriage, manual, mylar patterns, yarn, Mary Weaver book, used very little, £700 o.n.o. Tel: 081-500 9434 (Ilford, Essex).

KNITMASTER 326 knitting machine with punchcard, graph and extras. Good working order and in its own hard carry case. £75. Tel: (0253) 777590 (Fleetwood).

BROTHER 950i Electronic, very good condition, £550. Tel: (0954) 781406. (Cambs.)

BROTHER KH 965 Electronic, new model, 6 months old, unwanted gift, £900. Tel: (0753) 684794 (Slough).

BROTHER 891 lace carriage, built in knitleader and manuals, £250 vgc; Toyota 950 ribber, lace attachment, plaiting, £300. Will separate. Transfer carriage, £35. Tel: (0489) 572400 (Southampton).

KNITMASTER KH 160 punchcard machine and folding table, excellent condition. Instruction booklets, tuition tape, punchcards, needles, £70 o.n.o. Tel: (0635) 28269 (Newbury, Berkshire).

TOYOTA 895 with lace carriage, punchcards and blanks, instruction manuals and tools, £80 o.n.o. Tel: 051-523 6027 (Liverpool).

BROTHER 840 punchcard knitting machine with table and instruction manual. Very good condition, £150 o.n.o. Tel: (0483) 766873 (Woking).

TOYOTA KS 901 ribber. knit tracer, colour changer, lace carriage, intarsia carriage, instruction manuals, excellent condition, £325 o.n.o. Also Knitmaster 120 Chunky, intarsia carriage, lace drive attachment, knitradar, instruction manuals, £100 o.n.o. Tel: (0205) 750882 (Sibsey, Lincs).

BROTHER KH 881 hardly used. Built-in knitleader, lace carriage, punchcards, 6 cones wool, book, £240 o.n.o. Tel: (0375) 385281 (Grays, Essex).

POWER-KNIT universal table, count-down, foot control etc, suitable standard and chunky machines, little used, £375. Elna Press with spray little used, £130. Tel (0703) 740157 (Southampton).

KNITMASTER 700K punchcard, intarsia, knitradar, v.g.c., £250. LC2 lace carriage, £75. Tel: 071-701 2130 (S.E. London).

KNITMASTER Electronic pattern library, £10. Knitmaster punchcard pattern book Vol 4, £10. Brother lace punchcards, £3.50 per set. Spare deco and cardreader for Duomatic, £15. Tel: (0922) 642509 (Walsall).

BROTHER Electronic KH 910 knitting machine, excellent condition. Mylar sheets, instructions and lace carriage. £260 o.n.o. Tel: 081-848 9328 (Hayes).

SINGER 9000 with accessories , £1150; Linker. £100; large selection quality cotton/wool yarn, books, etc. All items in good condition and working well. Tel: (0565) 615338 (Knutsford, Cheshire).

KNITMASTER Chunky, ribber, Mod. RB150. New (Boxed); Knitmaster chunky knitter model 150, with table plus extras, £275. Tel: (0928) 88614 (Frodsham).

TOYOTA KS 901 with Ribber KS 501, table, lace carriage, plating unit, wool winder, punchcards, patterns, instructions manuals. Excellent condition, £375. Tel: (0462) 434864 (Hitchin, Herts).

BROTHER Electronic 950i, £550. Two years old. Tel: 081-318 1412 (Hither Green).

SWAP

BROTHER KH 940 for Brother KH 950i; must be in very good condition. Tel: (0733) 578561 (Peterborough).

WANTED

WANTED by arthritic pensioner – Power knit 90 or similar motor for Brother machine also Hague linker or similar – can collect 60 mile radius. Tel: (0494) 758175 (Tring, Herts).

PASSAP Duo 80 four colour changer. Tel: 061-371 1577 after 6 pm. (Manchester).

SIMPLE frame and Bond elite. Must be good condition and fairly local to Southampton. Tel: (0703) 671196 (Southampton).

TO BORROW or buy, The Kilford collection. Write with price to 29 Silverthorne Lane, Cradley Heath, Warley, West Midlands B64 5AY.

STAND for Defendi linker. Tel: (0772) 718513 (Preston).

PASSAP Forma computer, good working order please. Tel: (0959) 573508 (Kent).

BROTHER Chunky 260 Knitting machine and ribber in good condition and reasonably priced for around about £250 to £300. Tel: 081-595 0423 (Dagenham).

DESIGNING garments on the knitting machine by Janet Nabney. Tel: (0332) 832829 (Derby).

INSTRUCTION book, patterns, needles etc, required for Brother KH 588. Tel: (0877) 30011 (Callander, Scotland).

PASSAP handbook beginner course by Bernadette Ernakovich. Tel: (0705) 253539 (Waterlooville).

ANY books or leaflets for Brother KH 36 for a beginner aged 12. Tel: (0279) 420535 (Harlow, Essex).

KNITMASTER KR7, Knitradar. Tel: (0895) 445487 (West Drayton).

KNITMASTER SRP50 ribber, Knitmaster 155 punchcard. Chunky with ribber. For sale: Brother 260. 24 stitch punchcard Chunky and ribber, £395. 50 miles radius of Stockton Teeside. Tel: (0642) 552209 (Stockton).

MOCK RIB *Used for welts, cuffs, neckbands and other edges on single bed machines without a ribber*

ABBREVIATIONS

Push the number of main bed needles given in pattern to working position. Push every alternate needle back to non working position for a 1 × 1 rib or every third needle back to non working position for a 2 × 1 rib. It may be necessary to reduce this number by one needle at one or both edges to keep rib even. (Increase the stitches after the mock rib has been worked to give the same number as the pattern).

Using main tension and waste yarn, cast on and knit a few rows ending with carriage at left. Set row counter at 000. Using at least two full sizes tighter than main tension, knit the number of rows given in pattern for rib. Using three full sizes looser than this tension, knit one row. (This loose row gives a neat fold line). Return to two full sizes tighter than main tension and knit the same number of rows as before. Push empty needles from non working to working position and make a hem by placing loops of first row worked in main yarn evenly along the row. Make sure that each empty needle holds a loop to prevent a row of holes across the work.

Unravel waste yarn after work has been removed from machine. After garment has been blocked to size, insert a metal welt bar or a thin, clean piece of wood through the hem and pull firmly downwards to draw stitches of mock rib closer together. Set the stitches by steaming lightly on wrong side, if pressing instructions permit.

alt = alternate(ly)
beg = beginning
ch = chain
cm = centimetres
cont = continue(ing)
dc = double crochet
dec = decrease(ing)
foll = following
g = grams
HP = holding position
in = inch(es)
inc = increase(ing)
K = knit
mm = millimetres
MC = main colour
MT = main tension
MT−1, MT−2, MT−3 = one, two, three full sizes tighter than main tension
MT+1, MT+2, MT+3 = one, two, three full sizes looser than main tension
MY = main yarn
N(s) = needle(s)
NWP = non working position
P = purl
patt = pattern
RC = row counter
rem = remain(ing)
rep = repeat
ss = stitch size
st(s) = stitch(es)
st st = stocking stitch
tog = together
UWP = upper working position
WP = working position
WY = waste yarn.

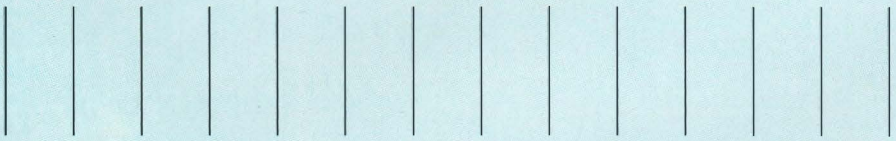
WHAT GAUGE IS MY MACHINE?

Many of you have written to Modern Knitting asking us to explain more clearly about the gauges of different knitting machine.

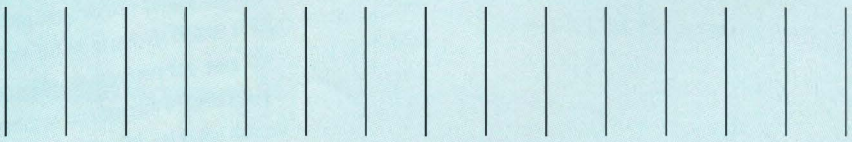
As you know, we tend to state which gauge of knitting machine each pattern is suitable for rather than which model of machine. These days there are so many different makes and model of machine around that it is almost impossible to list which machines will do what. So we decided to plump for telling you which gauge.

However, not everyone knows which gauge of mchine they own. To make it easier for you, we have printed below a series of charts to illustrate the different gauges of mchine we cater for. To find out which gauge your machine is, simply slip the charts under the needles until you find one where the needles on your machine coincide with the lines on the chart. If your machine doesn't match any of the charts, pick the one closest to it but expect to be disappointed occasionally because you won't always be able to achieve the correct tension.

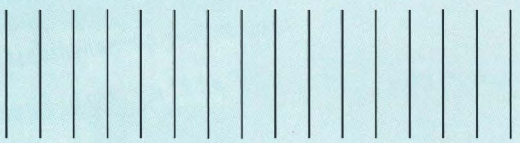
9mm Chunky



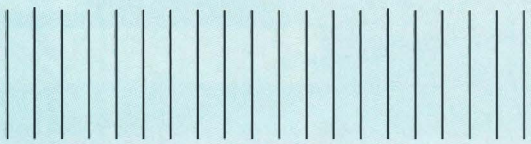
8mm Chunky



Standard Gauge 4.5mm



Fine Gauge 3.6mm



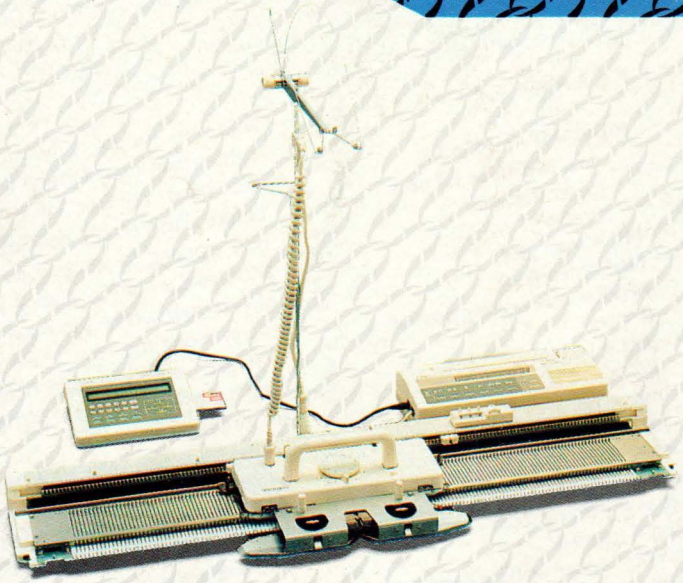
Ribs

You will find that most patterns in Modern Machine Knitting state the need for a ribbing attachment at the beginning of the pattern. However, if you look at the designs, you will find that very often the ribbing attachment is necessary only for knitting welts, cuffs, bands etc. In these cases, if you don't have a ribber you should knit a mock rib or use the latch tool method for making your ribs.

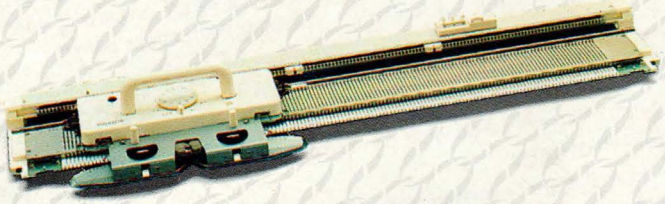
A PEARL OF A SYSTEM FROM SILVER

And our low prices add up to a golden opportunity to boost dramatically both the speed and variety of your knitting projects.

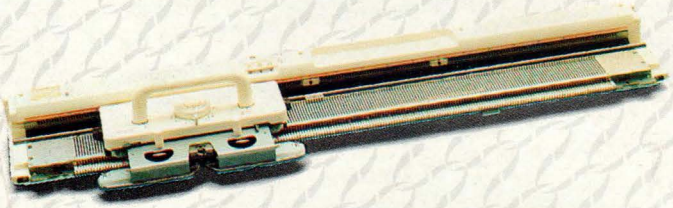
The Silver Modular Electronic Knitting System is based on four easy-to-change and whisper-quiet beds of the highest quality. So you'll be able to set just the right gauge and tension for any yarn - and each gives you a wide range of stitch options at the touch of a single lever. Attachments permit even greater stitch and pattern variety. And as the beds and attachments are each sold separately, you buy only as you need to.



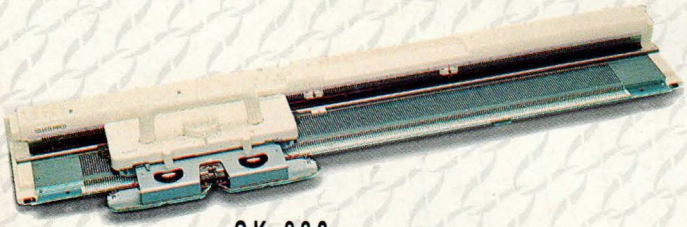
SK 890 *Chunky gauge*
Knits Mohair, Aran, Chunky



SK 860 *Double Knitting gauge*
Knits 4 ply, DK, Aran, Mohair



SK 840 *Standard gauge*
Knits 2 ply, 3 ply, 4 ply

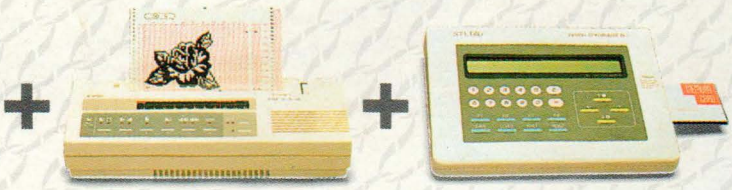


SK 830 *Fine gauge*
Knits 1 ply, 2 ply, 3 ply

The Silver EC1 Pattern Controller gives you great flexibility.

Just one is needed for all four beds. Use any of the 50 pre-printed designs - or draw your own on easy-to-use pattern cards. Cards and books from previous models are also compatible. Additionally, you can vary your patterns at the touch of a button: from doubling the height to changing single bed patterns into Double Jacquard designs and more.
And the second Stitch Width Indicator lets you select any part of a pattern to create extra designs - with no programming required.

Silver EC1 *Pattern Controller*



Silver PE1 *Design Controller*

The Silver PE1 Design Controller means big is beautiful.

No longer will it be a problem to expand your designs: add this option to your system and you can increase your patterns from 60 stitches to the full width of the bed, control complicated 3 colour slip patterns with ease, and create non-repeating patterns of up to 220,000 stitches. When you've finished, you can store your patterns on the memory card - and you can also choose a pattern from one of the optional pre-programmed memory card sets.

With the new Silver Modular Electronic Knitting System, the only thing built in is choice - and learning to use it takes no time at all.

Silver. Putting you in control.

For a free demonstration visit your local Dealer NOW

For a brochure:
Send a 9"x12" stamped addressed envelope to:
Silver Knitting Machines Ltd., Unit 1, 10 Wandle Way, Willow Lane Trading Estate, Mitcham, Surrey CR4 4TE.